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# CHRYSANTHEMUMS

1959

Descriptions and prices

YODER BROTHERS, INC.

BARBERTON, OHIO

pot plants

standards and disbuds

sprays

fast crops

bantamums



# YODER MUMS • 1959 Pricing Schedule\*

### Yellow Delaware

Nov. 8 – (10 week) Intermediate deep lemon yellow incurve sport from Delaware. Pot plant programs. The same valuable chassis in a brilliant new color. Less sensitive to low temperatures for bud initiation than Bonnaffon Deluxe for the late winter and early spring flowering period.

THIS IS THE KEY TO THE PRICE CLASS



Quantity	S_9	S_8	S_7	S-6	<b>\$</b> _5
50 only	\$3.13	\$3.38	\$3.63	\$3.75	\$3.88
100 - 250	6.00	6.50	7.00	7.25	7.50
300 - 450	5.75	6.25	6.75	7.00	7.25
500 - 950	5.50	6.00	6.50	6.75	7.00
1000 up	5.25	5.75	6.25	6.50	6.75

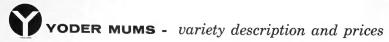
All prices are per 100 cuttings, except quantities less than 100. Fifty cuttings are priced per 50.

Quantity	S_4	S_3	S-2	S_1	Р
50 only	\$4.00	\$4.13	\$4.25	\$4.38	\$4.50
100 - 250	7.75	8.00	8.25	8.50	8.75
300 - 450	7.50	7.75	8.00	8.25	8.50
500 - 950	7.25	7.50	7.75	8.00	8.25
1000 up	7.00	7.25	7.50	7.75	8.00

**EARNED CREDIT** - Above prices are subject to an earned credit discount on orders from customers who are on continuous flowering programs. The percentage of earned credit is determined by order frequency, early ordering, fluctuations in size of order and total number of cuttings purchased and shipped during the year.

\* Prices effective January 5, 1959.

See Back cover for the names of the Companies who represent YODER MUMS



### Acclaim

Dec. 5 - (13 week) Large Formal type pompon. Lights and shades well. An ivory white Corsair, Excellent with cool 60°.

### Accolade 🕎

Oct. 15 - (De Petris) (8 week) Intermediate decorative. Glowing shell pink, and very close to true carnation pink. Its vivid color and fast response are combined with vigorous stems and well developed sprays. An ideal outdoor, natural cutting variety, equally valuable in spring and fall spray programs. Pinched crops are preferred.

### Aglow

Oct. 5 - (7 week) Orange-bronze pompon. Small flower. Low compact growth. Spring and fall pot plants. Tolerates 56°. Showy fall garden variety for a foreground border.

### Alaska

Nov. 1 - (9 week) Intermediate white anemone with white cushion. Temperature tolerance of Shasta. Productive, responsive and versatile. Spray programs: Greenhouse and Cloth House, A greater degree of cushion development than Shasta in summer temperatures.

### Albatross

Nov. 1 - (9 week) Large white incurve. Tolerates 56°. Important west coast variety. Greenhouse standards.

### Alert

Oct. 14 - (7 week) Intermediate intense purple decorative. An impressive color for spring and early fall pot plants. This is the small HUMDINGER of the garden S = 3varieties.

### Alex Colson

Nov. 1 - (9 week) Large decorative. Intense orange bronze. A Royal Bronze color. Spreads well, breaks and responds uniformly. Excellent foliage. A vivid color that holds well in all periods. Best suited to pinched pot programs. A 9-week spring, summer and fall version of Calvert's Gold that completes the year round availability of this outstanding color.

### Almega

Nov. 20 - (11 week) Large silvery pink pompon. Form, color and substance excellent. Greenhouse and cloth house. Color is unexcelled in its season. 5-4

### Alvoda

Dec. 15 - (14 week) Large smooth Portrait pink decorative. One of the best for late spray programs. Free growth. Habit, size and color improve Defiance, Debutante, and Riviera. This variety contributes to the 14-week group what Almega did to the 11-week group in the year round flowering programs. Disspray treatment and cool 60° units give best results. Tolerant of 56°.

### Ambassador

Oct. 25 - (9 week) Large ivory incurve.

### Amber Bright

Oct. 15 - (8 week) Large golden bronze decorative. Tolerant of 56°. Fine yellow fast disbud at high temperatures. Efficient Bantamum. S-3

### Ambercon 🕎

Nov. 20 - (Winter) (11 week) Intermediate pompon. Warm amber bronze sport of Rusticon. In late fall shadings and natural Thanksgiving programs Ambercon supplements Rusticon with a bright and interesting color.

#### Amberhue

Nov. 14 - (10 week) Intermediate orange bronze daisy. Improves Buccaneer in growth, form, production and color retention. Green eye. Durable. Spray programs and cloth house. Stalled by high temperature finish.

#### Anaconda

Nov. 8 - (10 week) Large red bronze incurve. Standards. 5-3

### Andante

Oct. 25 - (9 week) Intermediate decorative disbud. Apricot-bronze. Habit well adapted to pots. A valuable improvement over Mrs. DuPont as a spring pot. Its superb color remains serenely smooth under both cool and warm finishing temperatures.

### Antique

Nov. 1 - (9 week) Copper bronze spider with strong stem. Standards.

### Apricot Minstrel

Dec. 13 - (Y.B.)(13 week) Intermediate pompon. Sport of Bronze Minstrel. Clear apricot bronze. The color display is especially enhanced under artificial light. Its Calumet tone expands the Minstrel family into a color range not presently available in any late variety. P

### Apricot Queen

Nov. 1 - (9 week) Large golden orange incurve. Good



New Variety New Variety Growers Agreement



### Apricot Valencia

Nov. 28 - (12 week) Large apricot bronze single. Disbud and disspray. S-3

### Arcadia

Oct. 28 - (9 week) Intermediate white pompon. S-1

#### Aristocrat

Nov. 15 - (11 week) Intermediate lavender incurve. Fast stretch and strong stem. Natural season programs standards and disbuds. Tolerant of 56°. S-1

### Astoria

Oct. 5 – (7 week) Intermediate bright lemon yellow pompon. Free flowering and responsive. More prolific than either Yel. Chris. Columbus or Moonlight when grown as a spring pot. An early foreground garden variety. S-3

### Avalanche

Oct. 5 – (7 week) Large white decorative. Tall. Flowers on early crown buds. S-1

#### Aztec

Nov. 5 – (10 week) Intermediate deep yellow daisy. Spray programs. Tolerant of  $52^{\circ}$ . S-2

### Balcombe Perfection

Nov. 18 - (11 week) Intermediate copper bronze incurve. Short variety benefited by two additional weeks' time pinch to shade. Recommend cool finish for maximum perfection of form. Standard programs. Very durable for its natural Thanksgiving season.

### Barbara Fuller

Nov. 1 – (9 week) A dark coral red anemone. Dwarf compact growth habit for pot disbuds. Improves Gypsy in all respects. S-2

### Barcarole

Nov. 5 - (10 week) Intermediate lemon pompon. S-2

### Beacon 🕎

Nov. 20 – (11 week) Large semi-incurve. Rich reddish bronze with gold reverse. Has all the substance and durability of Detroit News with intensified and improved color retention. Moderately short and benefited by an additional long day week. Shades well and shows outstanding merit for the fall and Thanksgiving season.

### Beauregard

Nov. 5 – (10 week) A reddish orange pompon. A very versatile variety that produces good flowers every month of the year. Tolerant of  $56^{\circ}$  for initiation. Cloth house and greenhouse. S-6

### Beauregard Supreme

Nov. 15 – (11 week) A sport selected from Beauregard. Color remains the same. Size of flower is nearly double. Response shifts to the 11-week group. Vigor is increased. Pedicels are longer and spray somewhat more open. Tolerates high temperatures well. Extends the Beauregard season into the fall and early spring. Very good late cloth house variety.

### Beautiful Lady

Nov. 25 – (12 week) Large pink anemone. Disbud. Short and adaptive for fall and winter pots. S-3

### Belray

Nov. 24 – (11 week) Large white pompon. Tall grower. One of the best large whites for spring flowering in the greenhouse and for the cloth house. Remove center buds. Bud development slowed by high temperatures. Tolerates 52°.

### Benora

Oct. 8 – (7 week) Intermediate pompon. White with ivory centers. Polished foliage, rigid stems, and dwarf-spreading growth habit. Pots. A real improvement over Chris. Columbus for durability. Prolific bloomer. S-2

### Betty Rose

Oct. 25 – (9 week) Large light lavender pink anemone. S-1

#### Bittersweet

Nov. 5 - (10 week) Intermediate red bronze single. S-2

### Blizzard

Oct. 15 – (8 week) Small formal pompon. Clear white. Tolerates 52° Durable and productive. Spray programs. Cloth House. Earlier, larger, more productive than Pinocchio. Excellent growth. Best spray formation obtained when treated as a 9-week variety. S-3

### Blazing Gold

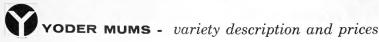
Oct. 23 – (8 week) Intermediate semi-incurve. Valuable for spring pots pinched and single stem. Tolerates  $56^{\circ}$  with slight bronzing. Standards and fast disbuds.

### Bluechip

Nov. 1 – (9 week) Intermediate luminous pink decorative. Recommended in greenhouse and cloth house spray programs. Top notch pink. Tolerates  $56^{\circ}$ . S-8

### Blue Ribbon

Nov. 1-(9 week) Small bright lavender pink incurved standard. For  $60^\circ$  pot plant programs the year round. Color markedly improves Queen of Pinks especially during high temperature periods. Responds sharply and develops well at  $52^\circ$  with additional stretch. Superb fast disbud. Best when grown at  $56^\circ$ . S-7



### Blue Skies

Nov. 23 - (Y.B.) (11 week) Large pompon. Portrait pink. Develops a larger flower with more vigor than Delmar. Improved by early removal of center buds. A smart, impressionable flower that excels in color and tolerates a cool 60° temperature for fall, winter and spring crops.

### Bojangles

Nov. 20 - (11 week) Yellow daisy. Intense color, heavy petallage.

### Bonnaffon DeLuxe

Nov. 20 - (11 week) Intermediate deep lemon incurve. Number one pot variety. Requires 65° for uniform bud initiation.

#### Bonnie

Nov. 10 - (10 week) Intermediate pink pompon. Improves Pinkette form and color. Formal and hard. Pink Igloo. Spray crops and cloth house. Tolerates 56°. Delayed by excessive high temperature during bud development. Benefited by 11-week timing.

### Bridesmaid 🏵

Nov. 1 - (9 week) Large spider. Light lavender pink. Dwarf, compact habit combined with good breaking action, spread and uniform response make for a superior pink spider available to pinched pot programs. For best summer color, crops should be grown in air cooled units. Rigid growth habit markedly excels that of the Lace varieties.

### **Bright Forecast**

Oct. 10 - (7 week) Very formal yellow pompon. Outstanding flower quality. Background for gardens and outdoor cut flower.

### **Brighton Yellow**

Oct. 25 - (9 week) Large incurved standard. Intense golden yellow. Of English origin. Early and efficient for its short duration of use both as a standard and fast disbud. Variety crowns prematurely when grown in high temperature environments. A Spring variety with speed and vigor. Beautiful Bantamum.

### Brilliancy &

Nov. 1 - (9 week) An Aztec yellow intermediate single contrasted with accenting green discs. Recognized for rigid stems, a well balanced spray formation, superb flower placement and uniform response throughout its season of use. A daisy of substance with distinctive class and productive capacity. Regular and fast sprays.

### Bronze Alvoda



Dec. 15 - (Y.B.) (14 week) Large decorative. Bright amber bronze. Alvoda and its sports require 56° or less for best bud and color development. Warm 60° units make for uneven, poorly developed and faded crops. Will tolerate 56° for bud initiation. Disspray treatment recommended.

### Br. Buckingham

Nov. 1 - (9 week) Intermediate rust orange single. S-1

### Bronze Calypso

Nov. 8 - (10 week) Large, rich orange-bronze incurve. Very short growth. Exclusively a pot plant variety. Best results are obtained with high temperature initiation and low temperature development. Flower size and form closely resembles the Indianapolis varieties. Pinched and single stem pots.

### Bronzechip

Nov. 1 - (9 week) Intermediate decorative. Lively orange-bronze sport of Bluechip. Valuable cloth house variety. Recommended for greenhouse sprays. Displays the color retention properties so unique with Bluechip. Tolerates 56°.

### Bronze Daisy

Nov. 1-(9 week) Intermediate light bronze single. S-2

### Bronze Dot

Oct. 25 - (9 week) Small pompon. (Red Dot) Good twotone bronze. Cloth house and greenhouse.

### Bronze Enchantress

Dec. 5 - (13 week) Large anemone. Apricot bronze sport. Disbud and disspray. Fast disbuds.

### Bronze Frick

Nov. 20 - (11 week) Intermediate salmon bronze in-S-1curve. Standards.

### Bronze Goldsmith

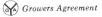
Nov. 25 - (12 week) Large amber bronze decorative. Disspray. Fast disbuds. Cloth house.

#### Br. Jubilation

Nov. 15-(11 week) Large pompon. A rosewood-bronze sport of Jubilation. Equal in all respects, other than color, to its parent variety. A finishing temperature of 60° or less is required for maximum color retention. A real performer for greenhouse programs as well as late cloth houses. The Jubilations efficiently contribute needed vigor for northern winter pom programs. They will tolerate lower bud initiation temperatures of 56-60° with uniform response. Vigorous Bantamum.



New Variety ( New Variety Growers Agreement



### Bronze Masterpiece

Nov. 12 - (10 week) Intermediate bronze pompon tolerates 56°. Disspray. S-3

### Bronze Minstrel

Dec. 13 – (13 week) Intermediate coral red pompon. Fine for Christmas sprays. S-3

### **Bronze Minuet**

Nov. 23 - (11 week) Intermediate bronze pompon. Sprays. S-1

#### Br. Orchid Queen

Nov. 10 – (10 week) Buff coral bronze sport. Standards. S-2

### Bronze Palmero

Oct. 28 – (9 week) Large semi-incurve. Coral bronze. Tolerates a wide temperature range for initiation and development. Very responsive and uniform. Does not burn. Holds color well in high temperature periods. It resembles Oak Leaf in size and form. Makes appealing single stem pot plants in fall, winter and spring. A reliable, easily grown variety.

### Bronze Pandora

Nov. 10 - (10 week) Bright coral bronze sport of Pandora. Outstanding vigor and color for fall. Greenhouse and cloth house. Attractive Bantamum. S-1

### Bronze Peter John

Nov. 25 – (12 week) Large salmon rust decorative suffused with yellow. Standards. Fast programs. Intolerant of low temperature.60°minimum for bud initiation; 55° for bud development. Sport from Peter John. Bantamum.

### Bronze Portrait

Nov. 8 — (10 week) Intense, reddish-bronze pom. A Samovar color addition to the ever-widening Portrait series. Similar growth habits and same degree of vigor as parent. Less tolerant to high finishing temperatures for color retention. Useful in greenhouse spray programs and pots.

#### Bronze Riviera

Dec. 15 - (14 week) Intermediate orange bronze decorative. Sprays. S-1

### Buccaneer

Nov. 1-(9 week) Rich orange bronze daisy. Excellent habit. Dependable fall variety. S-3

### Buckskin

Oct. 25 – (9 week) A tawny bronze daisy. Very productive. Greenhouse and cloth house. S-4

### Bunbu

Nov. 1 — (9 week) Large, fully double, spooned tip spider. Medium lavender pink color. Tall vigorous habit with rigid stems. Extreme vigor permits the reduction of one long day week from the 9-week schedule. Is a dependable performer in either standard or fast disbud programs. Bunbu possesses traits superior to those of Mary Garden and at the same time makes a fine companion for Luyona in any program. Often requires some shade protection during the finishing period to prevent petal tip burn. Unusual Bantamum.

### Butterball

Oct. 20 - (8 week) Intermediate deep lemon incurve.

#### Butterscotch

Nov. 5-(10 week) Intermediate formal pompon. Golden orange. Good high temperature responses. S-1

### Cadenza

Nov. 10 - (10 week) Large anemone disbud. Lavender pink, vigorous and responsive. Tolerates low temperature (56°) for bud initiation and requires 60° or less for best finishing results. Vastly improves the quality and growth of Enchantress as a fast winter disbud. Subject to some shattering when flowers develop under high temperature summer conditions. S-1

### Calif. White Daisy

Oct. 15 -(8 week) Intermediate pure white single. For the very early cloth house. Very temperature tolerant. (Kimoto's White.) S-2

### Calumet

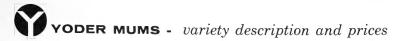
Oct. 15 – (8 week) An apricot bronze pompon of superior flower quality for cut flower purposes. Very fine for spring in the greenhouse and the earliest cloth house crop. Excellent growth as natural cut flower. Background plantings for gardens. Tolerates 56°, S-2

### Calvert's Gold

Nov. 20 – (11 week) Intermediate golden bronze semiincurve. Form and non-fading color improve Apricot Queen. Standards. Pot plants. Regular crops require one additional long day week. S-5

### Calvert's Orange

Nov. 20 — (11 week) Large semi-incurve. Sport of Calvert's Gold. A captivating reddish-orange. Habit is slightly shorter than Calvert's Gold. Essentially a pot variety that provides a Royal Bronze color with size and strong habit for northern pot plant programs through the fall and winter months.



### Calvert's Pink

Nov. 17 - (11 week) Intermediate orchid pink suffused with salmon incurve. Standards and pots. Maximum 55° requirement for bud development. Rich color unsurpassed for Thanksgiving season. Short variety, S-3

### Cameo

Dec. 5 - (13 week) Intermediate ivory decorative. Natural season.

### Camille Baumann

Nov. 3 - (9 week) Medium to large single disbud. White spindle on tubular ray petals. Novel form that will enrich variation in fast disbud programs. Never fails to grow vigorously, respond uniformly, and flower on rigid stems. Especially valuable to retail growers who are seeking new and unusual beauty. High summer temperatures contribute to some size reduction.

### Candytuft

Oct. 15 - (8 week) Lavender-pink button pom. Short, well-branched growth habit. Produces a greater mass of small durable blooms than Masquerade, either as an early spring pot plant or as a natural flowering garden specimen.

### Capricorn 😭

Nov. 5 - (YB) (10 week) Large decorative standard. Color of Yellow Delaware. Essentially a pot variety, and the first good seedling to attain the objective of full flower closure on Yellow Delaware. Retains the Delaware habit, but is more uniform and responsive at high temperature periods. Its large flower is well suited for both pinched and single stem pots. While it will bronze if finished cold, it is a top ranking yellow for high light and high temperature periods.

### Carmine Queen

Oct. 10 - (7 week) Carmine red pompon. Outdoor cut flower.

### Carnival

Oct. 10 - (7 week) Large pompon. Glowing orange red. Background garden variety.

### Carolyn Yosick

Oct. 20 - (8 week) Intermediate lavender pink pompon.

### Carrara

Nov. 24 - (11 week) Intermediate pure white decorative. A short variety that tolerates low temperatures. Bud development is retarded by high temperatures. S=3Finish cool. Tolerates 56°.

# Celebrity

Nov. 23 - (11 week) Intermediate decorative. Color is

ANAU ARI E APRII 1 1959

a discriminating shell pink. Objectively bred and selected for a larger sized flower and a more lucidly clear pink color than Almega provides. Substantially increased vigor renders this a real prize for greenhouse spray programs. Production competes favorably with any outstanding late variety for winter flowering in the north. Maximum color needs a cool 60° finish. Flower size may be enlarged by partial disspray.

### Celestra

Oct. 15 - (8 week) Small deep lemon yellow semi-incurve. Tolerates 56°. Fast disbuds. Dependable Bantamum.

### Chairman

Nov. 5 - (10 week) Large golden yellow decorative. Standards and fast disbud programs. Tolerant to 56° for bud initiation. Vigorous. A flower form and degree of quality long needed in the year round program. Responsive Bantamum.

### Chalice

Dec. 5 - (13 week) Large lemon incurve. S-1

### Chalk Cliff M

Nov. 10 - (10 week) Large chalk white decorative. The answer to a white Portrait for pots. Foliage, habit, and flower form provide a striking resemblance. Somewhat larger than Portrait, its heavily petalled flower contributes to a very fresh appearance with extended keeping qualities. Also has a more vigorous breaking habit. A versatile and beautiful white that will pay its way in any pot plant program. High summer temperatures slow or stall response. Large and beautiful in fall and spring disspray cut programs.

### Champ

Nov. 28 - (12 week) Large white disbud anemone. Growth is clean and vigorous. Larger than Illini Glacier, approaching the size of White Supreme. Response is uniform and production high. Cushion is large, develops well, acquires a chartreuse green overtone. Provides outstanding winter fast disbuds in a needed anemone form. Being grown as spray in March - April programs. Attractive Bantamum.

### Chas. Nye

Oct. 5 - (7 week) Large deep yellow pompon. Showy, prolific garden variety.

### Charm X

Nov. 15-(YB) (11 week) Intermediate anemone. Bright pink. Short habit, good spread. A pink version of Barbara Fuller for pots. Uniform response. Flowers with and requires the same treatment as Bonn DeLuxe. P





### Chattanooga

Nov. 25 – (12 week) Large pure white incurve. Important for Thanksgiving standards. S-5

### Cheerful &

Nov. 12 — (10 week) Intermediate pom. Lavender pink with tone on tone contrast. Best described as a "Delmar" flower on a "Delight" chassis. Its terminal sprays make for an easy variety to cut and handle. Summer finishing temperatures above 80° may dull color contrast. Ideal for air-cooled houses. Always responsively dependable. Spray programs. Greenhouse and cloth house.

### Chevron

Nov. 10 - (10 week) An intense bronze pompon. Holds color better than Red Rust or Seneca. Tolerates 56°. Greenhouse and cloth house. S-1

### Chiquita

Oct. 5 – (7 week) Small deep lemon yellow button pompon. Chic for spring and fall pots. An intermediate garden variety. S-2

### Christina

Oct. 23 - (8 week) Large decorative. White. Used for pots. S-1

### Christmas Greeting

Dec. 15 – (14 week) Large red decorative. Fine spray variety for Christmas. S-5

### Christmas Star

Dec. 12 – (13 week) Intermediate red single. Productive and responsive. Spray programs. S-4

### Chris. Columbus

Oct. 1 – (7 week) Intermediate cream decorative. Short compact and prolific. Foreground garden use and pots.

### Cinderella

Dec. 5 - (13 week) Intermediate deep golden yellow single. Spray crops. S-2

### Citation

Oct. 15 – (8 week) Intermediate mauve pink pompon. A small pot plant disbud. One of the best late garden varieties. Tolerates  $56^{\circ}$ . S-1

#### Claret

Dec. 15 – (14 week) A brilliant red daisy. S-1

### Classic

Oct. 10 – (7 week) Small white semi-formal pompon. Outdoor cut flower. Follows Horizon. S-2

### Climax

Nov. 10-(10 week) Intermediate intense orange pompom. Excellent vigor and production. Vivid color stimulates demand for bronze. Greenhouse crops and cloth house. Sets a new color standard. Tolerates 56°. Intolerant of extreme high summer temperatures. Sprays improved with 11 week timing.

### Constellation

Nov. 5 – (10 week) Intermediate decorative. Brilliant yellow. Given one additional long day week, it is unsurpassed in its natural season. S-2

### Copperhead

Nov. 10 - (10 week) A large coppery bronze decorative. Very satisfactory grown as disbudded sprays or disbudded to a single flower. Also excellent for pot culture. Fast disbuds and sprays. S-4

### Copper Queen

Nov. 10 – (10 week) Large copper bronze incurve sport of Orchid Queen. Large flower and more vigor than Bronze Orchid Queen. Standard programs.

S-4

### Coralhue

Oct. 12 - (7 week) Small apricot coral pompon. Low, spreading growth habit. Free breaker. Spring and fall pot plant. Effective as a foreground garden variety. More double more prolific than Joybringer. S-1

### Cordova

Nov. 30 - (12 week) Intermediate white pompon. Natural season. S-2

### Coronation

Dec. 5 – (13 week) Intermediate to large decorative. Intense golden yellow. Larger, more beautifully formed than Corsair, also responding more uniformly and rapidly. The sprays are open and bunch well. Benefited by removal of center bud when grown as a spray. Cornation will initiate and develop at  $56^{\circ}$ . Provides fine 3"-4" disbuds in winter fast programs. S-5

### Corsair

Dec. 12 – (13 week) Large yellow pompon. A "best" for winter spray programs. Warm  $60^{\circ}$  (63–65°) for late January and February flowering. S-6

### Cossack 🕎

Nov. 5 – (10 week) Large decorative standard. Intense crimson red. Principal advantages are for single stem pot programs where it achieves unmatched size and color. Variety is sometimes reluctant to break from a pinch. Single stem, plant and shade pots for Christmas suggest important competition for poinsettias. *P* 

### Crackerjack

Dec. 1 - (12 week) Intermediate daisy. The color is a brilliant reddish bronze. Crackerjack is the answer to a red Galaxy. Vigorous and productive, performing well in fast regular spray programs. Shaded for Thanksgiving, lighted for Christmas or Valentine's Day, Crackerjack provides an item of irresistable consumer appeal. 5-4

### Cream Mefo

Nov. 10 - (10 week) A cream colored sport from Mefo. Greenhouse standards. Best form of the yellow Mefo's. Tolerates 56°.

### Cream Shasta

Nov. 10 - (10 week) Beautiful cream yellow color addition to the Shasta group. Tolerates 56°. Sprays, cloth house, and disbuds programs. Novel Bantamum. S-2

### Crescendo

Nov. 5 - (10 week) Large yellow pompon. Outstanding variety for high temperature periods. Tall. Tinges bronze at low temperature finishes. Greenhouse and cloth house sprays. S - 6

#### Crest

Oct. 25 - (9 week) Medium sized formal pom disbud. Ivory white with cream centers. Its dwarf habit makes it a first class pot variety. A relatively fool-proof pot variety during high light intensity periods of the year. Far more efficient than Granite State and will easily average 5 breaks per plant, much like Bonnaffon. Intolerant of winter low light environments.

### Crimson Valencia

Nov. 28 - (12 week) Large maroon red single, Disbud and disspray.

### Criterion

Nov. 8 - (10 week) Large pink decorative with a vigorous, compact growth habit. Valuable pot plant variety. Also a fine cut spray with one extra long day week and center bud removed. Cloth house. Tolerates 54°. S-7

### Crystallite

Oct. 25 - (9 week) Intermediate formal pompon. Paper white. Responds earlier than Keepsake or Igloo under high temperature summer conditions. Does not tolerate low temperatures for initiation. Response is uniform and rapid at 60° or over. A high caliber and efficient variety for natural sprays in the greenhouse.

### Crystal Queen

Nov. 10 - (10 week) A pure white sport from Orchid Queen that improves Jean Elizabeth in clarity of color and compactness of flower. Standards.

### Cupid

Oct. 15 - (8 week) Small pink decorative, Unique dahlia

form. Prolific. Dwarf, masses and spreads as a garden variety. Spring pot plants.

### Dandy

Nov. 1 - (9 week) Intermediate yellow pompon. The most temperature tolerant among the 9-week yellow pompons in the catalog. Will initiate buds at 56°. Develops better than Sunup at high temperatures. Production of Gold Coast. Greenhouse and cloth house. Adaptive to a wide range of environments. It's a "Dandy." Benefited by center bud removal if spray is tight.

### Dark Almega

Nov. 20 - (11 week) Dark lavender pink sport selected from Almega. Habit and performance are identical to the parent variety. Greenhouse and cloth house. S-2

### Dark Alvoda 😙

Dec. 15 - (Lewis) (14-week) Large decorative. Dark Minstrel pink. Sport from Alvoda retaining similar growth characteristics, and differs only in color intensity. 56° is maximum for bud development and full color expression for the Alvoda family.

### Dark Beauregard

Nov. 5 - (10 week) Intermediate pompon. A luminous mahogany bronze sport of Beauregard. Same growth habit. Slightly smaller flower. Better high color retention. Tolerates 56°. Greenhouse and cloth house. S-5

### Dk. Br. Masterpiece

Nov. 12 - (10 week) Dark sport of Br. Masterpiece. Disspray. Brick red with cool finish. Tolerates 56°. S-2

### Dk. Br. Minstrel

Dec. 13 - (13 week) Reddish bronze sport, Deeper color. Smaller, harder flower. Spray programs.

### Dark Bulkeley

Nov. 8 - (10 week) Intermediate formal deep lavender S-1pompon.

### Dark Calumet

Oct. 15 - (8 week) Dark bronze sport of Calumet. Intermediate pompon. Valuable early outdoor cut variety with equally good response in spring spray programs.

### Darkchip

Nov. 1 - (9 week) Intermediate decorative, dark lavender pink sport of Bluechip. Color similar to that of Pennant but brighter. In the spring months, growth is normally 3 - 4" taller than Bluechip and 3 - 4 days later to flower. Can be flowered whenever Bluechip is grown. Like all the rest of the Bluechip sports, the color becomes enhancingly luminous under incandescent light.





### Dk. Enchantress

Dec. 5 – (13 week) Large deep pink anemone. Disbud and disspray. Fast disbuds. S-1

### Dk. Ind. Bronze

Nov. 5 – (10 week) Dark reddish bronze sport. Standards, disbuds, and pots. Valuable Bantamum. S-6

### Dk. Ind. Yellow

Nov. 5 — (10 week) Slightly shorter in growth habit than Ind. Yellow. Best response. Deep lemon yellow. Standards, pots, and fast disbuds. Good Bantamum.

S-6

### Dk. Linda Lou

Nov. 10 - (10 week) Intermediate deep lavender pink anemone. Very productive. Tolerates 52°. Greenhouse and cloth house. S-2

### Dark Norma

Nov. 15 - (11 week) Large dark lavender anemone. Fast disbuds. S-1

### Dk. Orchid Queen

Nov. 10 - (10 week) Large deep lavender semi-incurve. Standards. S-5

### Dk. Pink Buckingham

Nov. 1-(9) week) Intermediate intensified pink single. Sport of Pink California Daisy. A west coast cloth house variety. S-1

### Dk. Pk. L. I. Beauty

Nov. 20 - (11 week) An intensified color selection of Pink L. I. Beauty. Disspray and disbud. Fast program.

### Dk. Pk. Minstrel

Dec. 13 – (13 week) A clear, clean deep mulberry shade of Minstrel. Sprays. S-4

### Dk. Pk. Pandora

Nov. 10 – (10 week) Intermediate dark pink decorative. Selection from Pandora. Greenhouse sprays and cloth house. Requires 60° initiation. Vigorous Bantamum.

S-1

### Dk. Pk. Peter John

Nov. 25 – (12 week) Large deep orchid pink decorative. Color intensification of Pink Peter John. Standards and fast disbuds, Good Bantamum.

S-2

### Dark Valencia

Nov. 28 - (12 week) Large lavender pink single. S-3

### Dark Taffeta

Nov. 15 - (11 week) Dark pink sport selected from Taffeta. Retains more color than Taffeta when fading

becomes a problem. Fine for the late cloth house and spring greenhouse. Less vigor than parent variety when flowered under low light condition. S-2

### Dk. Yel. Chattanooga

Nov. 25 – (12 week) Deep lemon yellow sport. Important Thanksgiving variety. Greenhouse standards. S-4

### Dark Yellow Satellite

Dec. 10 - (13 week) Dark yellow sport from Yellow Satellite. A crisp, formal pompon of fine response in  $60^{\circ}$  winter programs. Color is decided improvement over the original. S-3

### **Dauntless**

Dec. 13 – (13 week) Small golden yellow semi-incurve. S-1

### Daybreak 😵

Nov. 10 – (10 week) A bright and lustrous orange anemone disbud. Attains 4–5" diameters with a large and well-rounded cushion. A uniquely different and tasteful color for fast disbud programs. Color remains smooth under high temperature finishes although intensity may be reduced. A true Designer's Delight. P

#### Debonair

Dec. 5 - (13 week) Large red pompon. Fine form. S-2

### Debutante

Dec. 10 - (13 week) Intermediate pink single with color similar to that of Valencia. Best at lower temperature finish. Tolerates 56°. Sprays. Fine in cool  $60^{\circ}$  units. S-4

### December Glory

Dec. 1 – (12 week) Intermediate white incurve. Valuable for natural crops. Standards and fast disbuds.

5-4

### December Gold

Dec. 15 – (14 week) Large deep golden yellow pompon. S-1

### December White

Dec. 15 - (13 week) Intermediate white incurve. S-3

### Defiance

Dec. 20 - (14 week) Intermediate pink decorative. Requires  $60^{\circ}$  initiation cool finish. S-2

### Delaware

Nov. 8 – (10 week) Large reddish bronze semi-incurved standard. Outstanding for pot plants pinched and single stem. S-9

### Delight

Nov. 5 - (10 week) Intermediate pink daisy. Productive, durable, striking color, and fresh appearance. Spray crops and cloth house. Improved with center bud removal.

### Delmar

Nov. 25 - (12 week) Intermediate pompon. Light lavender pink. Vigorous, productive, and distinctive dot color contrast. Improved Almega habit. Spray crops and cloth house. Strong and productive in fall, winter and spring.

### Desire

Nov. 25 - (12 week) Intermediate pompon. Light lavender pink. Vigorous, productive, and distinctive dot runner to faster, and more efficient winter varieties for northern greenhouses. Excessive long day weeks on the regular schedule promotes early crowning and consequently overcropping. Recommended as a fast spray. Color retention demands a cool 60° finish.

### **Detroit News**

Nov. 1-(9 week) Large reddish bronze incurve. Finish cool. Tolerates 56°. Best all around bronze standard.

## Dillon Beguregard

Nov. 5 - (Dillon) (10 week) Intermediate pompon. Intense reddish bronze. Possesses a large, full flower with broad petals devoid of notched tips. An all round size and form improvement over Dk. Beauregard. Consistently dependable for a bronze in summer programs.

#### Dolli-Ette

Oct. 10 - (7 week) Intermediate golden bronze spoon. An interesting and colorful novelty. A shapely spring pot plant. Prolific and durable as a foreground garden variety. New forms such as this will stimulate interest and appeal for the early garden variety.

### Dolomite

Dec. 13 - (13 week) Intermediate clear white pompon. Smaller, later version of Carrara. Taller, more vigorous. Adds quality and color clarity to the December season. Tolerates 56°. S=2

### Dorothy Hyde

Oct. 25 - (9 week) Large decorative disbud. Bright orange-bronze. Greater tolerance to low light and temperature conditions allows it to be flowered several months earlier than Fred Yule in the spring. Buds will initiate and develop at 56° or above. Its dependable and vigorous habit makes for a fine fast disbud. Most attractive form and color is retained if cut slightly green. High summer temperatures tend to reduce size. Responsive Bantamum.

### Dubonnet Valencia

Nov. 28-(12 week) Dubonnet sport of Valencia. Large

### Duchess

Nov. 1 - (9 week) Medium to large bronze spider mum, sometimes called a "Spindle" mum. Duplex form. All petals are straight and tubular. Good flower substance. Maximum growth standards and responsive dependability make this variety an ideal fast disbud. High summer finishing temperatures noticeably dulls color. Duchess along with Luyona, Plum, and John Baumann are beautiful novelties that will contribute to the eventual recognition of the fast disbud as a new mum item. Unusual Bantamum.

### Dynamo

Nov. 10 - (10 week) White pompon. Excellent in natural season. Requires 60° minimum for initiation; 55° or lower for development. Greenhouse and cloth house.

### Early Yellow Daisy

Oct. 25 - (9 week) Intermediate yellow single. Selection from Calif. Yellow Daisy that will mature 7 to 10 days earlier. A west coast cloth house variety. S-2

Oct. 15 - (8 week) Paper-white formal pom of intermediate size. Flowers as early as Blizzard but represents an improvement in whiteness, larger flower, and a vastly superior spray formation. Lateral flowers develop at a smaller angle making the cutting and handling problem relatively easy. Recommended in the greenhouse spray program. Satisfactory as an outdoor cut flower for natural flowering.

### Ed. Seidewitz

Nov. 23 - (11 week) Intermediate smooth lavender incurve. Fast crops and standards. S-2

### Elegance

Dec. 20 - (14 week) Intermediate white decorative. Produces larger flower than Silversmith in addition to being more sharply responsive in 60° programs. Flowers naturally for Christmas. Clean growth with high production and good spray. Growth is stiff, whippy and without a trace of vegetativeness. Tends to become too short and clubby in late January and February.

### Elizabeth Hood

Oct. 15 - (8 week) Intermediate light orchid pink pompon. Garden backgrounds.





### Eminence

Dec. 5-(13 week) Intermediate daisy. Bright lavender pink. A  $60^\circ$  variety well suited to northern winter conditions. Very vigorous and should therefore be treated as a 14-week variety. Easily grown, strong and productive but exacting in its  $60^\circ$  minimum temperature requirements. Out performs Debutante in production, size and substance. Late January through February crops require warm  $60^\circ$  temperatures. S-2

### **Empress**

Dec. 1 – (12 week) Large disbud anemone. Deep magenta pink. An Enchantress seedling that combines increased vigor with faster, more uniform response. Performs well in the fast disbud program. Color and form possess unusual appeal. Good flower substance coupled with wiry stems permit easy handling. Colorful Bantamum.

### Enchantress

Dec. 5 - (13 week) Large lavender pink anemone. Disbud and disspray. Fast disbuds. S-2

### Encore

Nov. 5 – (10 week) Intermediate white pompon. Pinks at low temperatures. Requires  $60^{\circ}$  minimum for bud initiation. Greenhouse and cloth house. Superb form and rigid growth. S-4

### Ensign 🚱

Nov. 10 — (10 week) Intermediate decorative disbud. An ivory-white Bonnaffon seedling of excellent substance with a slight cream center and dimpled petals. Well adapted to either the fast disbud or pot plant programs. Earlier and taller habit than Bonnaffon, but has retained the same beautiful foliage and breaking habit. Useable the year round in high light areas. Bantamum program.

### Enterprise

Oct. 15 – (8 week) Intermediate deep pink pompon. Excellent substance. Outdoor cut flower. Cloth house and greenhouse sprays. S-1

### Ermine 🚱

Nov. 20 — (11 week) Intermediate ivory-white. Large pompon. Cream-eyed centers. A winter Iceberg for the fast disbud program. Extremely tall on the regular schedule. Efficient in any cool sixty environment. Spray programs in high light areas. Vigorous Bantamum.

### Esquire

Nov. 15 – (11 week) Intermediate deep yellow decorative. Larger than Yellow Highbrow. Strong, trim, growth habit with sprays resembling Forty-Niner. Tolerates 56° for bud initiation. Its point of contribution to the

11-week yellow pompon lies in its dependability within a wide range of temperatures. Esquire performs well in the late cloth house and greenhouse programs. S-5

### Ethrelda

Oct. 25 – (9 week) Intermediate orchid pink anemone. Dwarf, breaks freely, responds well. High temperature color retention. Tolerates 56° Disbud pot plants. *S-1* 



Nov. 20 — (11 week) Large semi-formal pompon. A rich yellow. Represents continued improvement in productive vigor and late winter and early spring response dependability. Performs well on either the regular or fast spray schedules. Spray is benefited when center bud is removed. Rightfully described as the "Corsair" of the 11-week yellow. Durable for cloth house use. P

### Explorer 🛞

Nov. 5 (YB) (10 week) Large incurved standard, Deep yellow. A Good News seedling with all its low temperature tolerance, improved vigor and uniformity. A faithful performer from late September through early July in non-cooled greenhouses in Ohio. Excessively high temperature finishes cause some flower malformation, but superb with cool finish. Petallage has substance and is resistant to burning. One of the most promising of recent standard introductions that performs well between the period when Indianapolis starts to burn and the period when Good News is successfully flowered.

### Falcon

Nov. 25 – (12 week) Intermediate reddish bronze pompon. S-1

### Fanfare

Nov. 14 – (10 week) Golden-yellow intermediate anemone for natural spray poms. A late 10-week responding variety that performs amazingly well during the same period that Crescendo is flowered. Well adapted to cloth house conditions also. Because of extreme inherent vigor one long day week can be dropped from the 10 week regular schedule. Finishing temperatures less than 60° induces bronze tinges. A fine asset to the list of suitable summer and high temperature flowering poms.

### Feathertop

Nov. 5 – (10 week) An unusually beautiful sport from Whitetop. Petals are deeply serrated or feathered in a manner similar to Snowdrift. Improved vigor and response. Chalk white with smart green eye. Feathertop is not a novelty. It will increase the demand for white in all periods and areas where Whitetop is grown. In many arrangements it can serve the purpose of carnations. Cloth house and greenhouse.

### Festival

Nov. 23 - (11 week) Intermediate red single. Short growth habit. Excellent for Thanksgiving.

### Firebird

Oct. 25 - (9 week) Intermediate red bronze decorative. Disspray.

### Firefly

Nov. 1 - (9 week) An orange red pompon that holds its color exceptionally well.

### Flame Minstrel

Dec. 13 - (13 week) Intermediate pompon. Reddishbronze Minstrel selection that most closely resembles Red Minstrel in appearance. This represents richer color, superior response, and vigor over all the bronze Minstrel sports. Spray programs.

### Forever Amber

Nov. 25 - (12 week) Intermediate wide petalled decorative disbud. Retains a velvety smooth amber bronze color. A splendid choice for the fast disbud program. A real standout in January and February for the northern environment. Comparatively described as an improved winter Luxury. Fine Bantamum.

### Fortune

Dec. 1 - (12 week) Formal white pompon. An outstanding quality flower. Sprays and cloth house. S-5

### Forty-Niner

Nov. 15 - (11 week) Intermediate brilliant golden yellow pompon. Requires 60° for initiation and high light intensity for maximum production. Greenhouse and cloth house.

### Fred Shoesmith

Nov. 12 - (10 week) Large white incurve. A very late 10-week variety or early 11-week variety. Relatively short, stocky growth that should receive 10-week treatment to obtain desired stem length. Tolerates 56°. Markedly excells the size and form of Ind. White, and usually flowers about 7 days later in either a lighted or shaded program. In northern latitudes, in 60° January - February programs the stems are too weak. Where 50 - 52° finish can be used this is corrected. It does not display winter quill nor pink in any manner. Requires protection and is slowed under high temperature conditions. Upright but good for spring and fall pots. Best grown pinched to offset tip split.

### Fred Yule

Nov. 3 - (9 week) Intermediate glowing orange bronze incurved standard. Establishes a new color standard. Has vigor and stretch. Fine addition to the standard and fast disbud crops. Vegetative during the winter months. Promising as a cloth house standard. High light, high temperature Bantamum.

### Freedom

Nov. 5 - (10 week) Intermediate pure white single. Fine green eye. Cloth house and greenhouse.

### Friendly Rival

Nov. 20 - (11 week) Intermediate intense golden yellow incurve. Tolerates 56°.

### Frolic 🏵

Nov. 10 - (YB) (10 week) Intermediate pompon. Bright lavenderpink. Short habit for all sizes of pots. Breaks, spreads and responds in a fool-proof manner. Ideally adapted for natural spray pot programs. Retains color well. For growers who do not disbud their pot plants Frolic should fit the bill.

### Fuchsia Fairy

Oct. 14 - (7 week) Small light pink decorative. Compact, globose growth habit similar to the cushion varieties. Spring and fall pot plants. A marked color improvement over Major Cushion as a foreground garden variety. Tolerates 56°.

### Gaiety

Oct. 25 - (9 week) Intermediate coral bronze single. This variety in combination with Paradise and Prelude constitute a trio bred to widen color range adding new and lively pastels especially valuable in the spring and fall spray programs. Tolerates 56°.

### Gail

Oct. 25 - (9 week) Small pink pompon. Selection from Pink Dot that displays an additional overall color intensity. A cloth house variety. S-1

### Galaxy

Dec. 1 - (12 week) Intermediate bright orange single. Excellent form, color and response. Always dependable. Fine for cool 60° units. Spray programs.

### Gardenia

Oct. 15 - (8 week) Large white decorative. Compact and responsive. Vigor improves Ostosa. Pot plant programs. Prolific and showy garden variety. Benefited from disbudding. S-3

### Garnet King

Nov. 13 - (10 week) Intermediate deep crimson red S-2reflex. Standards.

#### Garza

Dec. 15 – (14 week) Intermediate white anemone. S-4







### Gay Minstrel 🕎

Dec. 13 – (YB) (13 week) Intermediate pompon. Sport of Minstrel but a lighter, livelier tint of Minstrel pink. Size and form most closely resembles Dk. Br. Minstrel. Less vegetative than Minstrel, therefore response is generally more uniform. Color expression and retention at 60° surpasses Imp. Pink Minstrel. A very high class pompon for late fall and Christmas programs.

### Gena Harwood

Nov. 5 - (10 week) Spider (Bronze Rayonnante). Light bronze tube.

### Georgia

Oct. 25 – (9 week) Intermediate dark yellow incurve. Dwarf and compact. Supplements Blazing Gold in the pot plant program pinched and single stem. Intolerant to low light intensities. Tolerates 56°.

### Giant Betsy Ross

Nov. 5 – (10 week) Large white incurved sport of Betsy Ross. Requires high temperatures for initiation and development. Standard programs.

5–8

### Giltglow 🚱

Nov. 10-(10 week) Intermediate bi-colored single. An expressive reddish-bronze contrasted with a smart green disc. Gold reverse. Slow disc development and fine color retention add up to excellent keeping qualities either on the bench or when cut. Medium to short growth habit. Some foliar mottling can be induced if flowered when very high summer greenhouse temperatures prevail. This will introduce a striking new color version not presently in the commercial pompon trade.

### Ginger

Nov. 1 – (9 week) Intermediate reddish bronze anemone. Free breaking habit. Will initiate and develop its buds at 56°. Produces a symmetrical pot plant. A livelier color than Gypsy. Has a more extended flowering period than Barbara Fuller.

### Gladys Pearson

Nov. 25 – (12 week) Intermediate light copper bronze incurve. Standards. S=3

### Glamour 😽

Nov. 1-(9 week) A formal pom disbud of intermediate size. Lavender pink with intensified centers. Spreading and stocky growth habit render it useful primarily as a pot plant. Improves the breaking habit of Portrait and the stem strength of Blue Ribbon. The colorful tone on tone contrast lends glamor to its appeal. P

### Gold Ball

Nov. 15 - (11 week) Intermediate golden yellow pompon. Temperature tolerance improves Golden Chord and Forty-Niner. Hard, durable. Size of Corsair. Outstanding in cloth house and greenhouse spray programs. Valuable supplement to Forty Niner. S-6

# Goldberg 🅎

Nov. 5 — (Burkey) (10 week) Large pompon. Golden yellow sport from Yellow Iceberg. Definite color intensification over Yellow Iceberg. Flower is harder, more double and slightly smaller. Smart form and sharp response are coupled with vigorous, dependable production. An essential variety for all regular and fast spray programs.

### Gold Coast

Oct. 25 — (9 week) Intermediate formal pompon. Deep lemon. Tolerates 56°. Greenhouse and cloth house. Disspray at high temperature.

### Golden Acclaim

Dec. 5 - (13 week) Intermediate golden yellow pompon. Selection from Acclaim. Intensification of Yellow Acclaim. Tolerates cool 60° well. Spray programs.

5-5

### Golden Anniversary

Dec. 24 - (14 week) Small intense yellow pompon.

S-2

### Golden Bantam 😵

Nov. 5 — (YB)(10 week) Small pompon. Deep golden yellow. Its heavy production without sticking at high temperature; its superb form retention coupled with intense color and durability rank it without peer among small yellow poms. Vigorous habit makes it adaptable to both regular and fast crops in cloth house and greenhouse. A gem in its class and a real achievement for its recommended period.

### Golden Calypso 🕎

Nov. 10 – (YB) (10 week) Large incurve. Deep golden yellow sport from Yellow Calypso. Essentially a pot variety. The Calypsos are proving to be showy specimens with plant and shade single stem treatment in their recommended periods.

### Golden Chord

Nov. 15 - (11 week) Intermediate pompon. Intense golden yellow. Greenhouse and cloth house. Requires  $60^{\circ}$  for initiation. A superlative late cloth house variety. S-5

### Golden Climax

Nov. 10 — (Krueger) (10 week) Intermediate pompon. Golden bronze sport of Climax. Vigor is well adapted to fast spray programs. Regular crops of climax and its sports are improved by the reduction of one long day week prior shade. The color is bright and blends well.

### Golden Elegance

Dec. 20-(14 week) Intermediate lemon yellow decorative. A sport from Elegance and identical to it in all respects except color. Very responsive and tolerant to 60° initiation and development. Of medium height and vigor. Matures naturally for Christmas. Too short for January and February.

### Golden Favourite



Nov. 10 - (10 week) Large semi-incurved standard. Bright yellow, Very responsive and durable. Seemingly resistant to high temperature burn. Short habit is benefited by an additional long day week. Has News size and form. Should handle like Albatross with potential for West Coast crops. Too short for northern winter programs. A striking single stem pot variety during high light periods.

### Golden Herald

Oct. 25-(9 week) Large yellow decorative. Tolerates 56°. Disspray and fast disbud programs. Good in cloth house.

### Golden Moeller



Dec. 3 (YB) (12 week) Intermediate incurved standard. Golden yellow. Sport from Yellow Moeller. Completely replaces Yellow Moeller with improved color, vigor, and size that now equals the original Margaret Moller.

### Golden Mrs. Ross

Dec. 3 - (12 week) Large deep lemon incurve.

### Golden Paramount



Nov. 23-(YB) (11 week) Intermediate formal pompon. Intense golden yellow. Sport from Yellow Paramount. Its excellent form and quality continues to maintain a high standard in the fall, early and late winter spray programs. Color similar to Corsair and definitely an improvement over that of the original Yellow Paramount.

### Golden Pearson

Nov. 25 - (12 week) Intermediate light lemon incurve. Standards.

### Goldenrod

Nov. 25 - (12 week) Full round and solid light yellow S-2pompon.

### Golden Shoesmith

Nov. 12 - (10 week) Large incurved yellow standard. Intensified color sport of Yellow Fred Shoesmith. Useful for the same periods as parent variety. Regular standard programs and pots. Tight incurvature. Pinching is recommended to off-set tip split.

### Golden Snowbound

Jan. 5 - (15 week) Intermediate golden yellow decorative. Color intensification of Illini Yellow Snowbound. Natural flowering 60° initiation, 50° development, S-2

### Goldfinch

Oct. 25 - (9 week) Small golden yellow button pompon with excellent flower quality. Greenhouse and cloth house.

### Gold Lace

Nov. 1 - (9 week) Golden yellow spider. Sport of Yellow Lace. Tolerates 56°. Standards, pots, and fast disbuds. Attractive Bantamum.

### Gold Lode

Oct. 15 - (8 week) Intermediate lemon yellow reflexed standard. Garden and greenhouse disbud.

### Goldrush

Oct. 10 - (7 week) Dark yellow daisy. Cut flower S-1variety.

### Goldsmith

Nov. 25 - (12 week) Large golden yellow decorative. Disspray. Requires 60° for initiation. S-5

### Goldtop 😭

Nov. 5 - (Krueger) (10 week) Intermediate pompon. Deep lemon yellow. A recognized color improvement over Yellowtop sporting from Whitetop. The deep, smooth color is enhanced by a pronounced green eye. The flower is more ball shaped than Yellowtop and substance is improved. A preferred replacement for greenhouse and cloth house programs.

### Gondola

Oct. 30 - (9 week) Intermediate yellow daisy. Large flower similar to Starbright. Recommended as greenhouse spray and fast disbud.

### Good News

Nov. 1 - (9 week) Large deep yellow incurve. Tolerates 56°. Outstanding summer and fall variety. Stand-S - 8ards.

### Gordon Wells

Nov. 8 - (10 week) Intermediate lemon yellow incurve. Perfection in incurved form for winter. Responsive, but shatters when subjected to high temperatures. Provides a useful supplement to Indianapolis Yellow in standard and fast disbud programs. S-3







### Grand Slam

Nov. 20 - (11 week) Brilliant silvery pink daisy. Sprays. S-2

### Granite State

Oct. 25 – (9 week) Large white disbud pompon for pots. S-4

### Greco's Carnation

Nov. 20 – (11 week) Intermediate white pompon. Petals are finely serrated and form somewhat resembles a carnation. Clear white 11-week poms are scarce. Performs best under high light and cool finishing temperatures. Suited to the late cloth house and greenhouse programs. Valuable for its natural Thanksgiving season. Not suited to early spring programs.

### Gypsy

Nov. 8 – (10 week) Small rust bronze anemone. Pots. S=1

#### Halo

Nov. 1 - (9 week) White daisy for high temperature periods in the greenhouse. S-3

### Handsome 🚱

Nov. 1 — (9 week) Intermediate decorative pom. Lavender pink. Color, size, and form bear a striking resemblance to Bluechip. Slightly larger and more closely internoded foliage lends it to potplants the year round. Superb natural spray cut pom. Is inherently as low temperature tolerant as Bluechip, 52° minimum, for bud initiation. Produces slightly smaller flowers but more of them. A highly versatile pompon.

### Happiness

Oct. 28-(9 week) Large golden yellow single having broad, flat ray petals. Normally outproduces Sauterne and is noticeably more reliable in high temperature summer greenhouses than either Aztec or the Halos. Excellent in the greenhouse and cloth house. This variety is a combination of beauty, productivity and versatility. Tolerates  $56^\circ$ . S-4

### Harlequin

Dec. 10 - (13 week) Crimson red intermediate decorative. S-2

#### Harvester

Nov. 23 - (11 week) Intermediate deep lemon yellow incurve. Valuable for Thanksgiving. Tolerant of cool 60° regular winter programs. Standards. S-5

### Harvest Golden

Oct. 15 – (8 week) Large deep golden yellow decorative. Very colorful, responsive. Tolerates 56°. Fast disbuds. Early Bantamum.

### Heirloom

Dec. 20 - (14 week) Intermediate white decorative.

### Helen Frick

Nov. 20 - (11 week) Intermediate light lavender incurve. S-2

### Heritage

Dec. 1 - (12 week) Intermediate formal dark pink pompon. Tall and vigorous. Spray variety. S-1

### Heyday

Nov. 10 - (10 week) Intermediate bright yellow pompon. Will initiate and develop its buds well at 56°. Improves the flower size and productiveness of Yellow Beauregard. Characterized by open terminal sprays at any time of the year when it can be grown. Recommended for greenhouse and cloth house sprays. S-7

### Highbrow

Nov. 20 - (11 week) Ivory white decorative. Very productive. Superb quality in the late cloth house and in greenhouse sprays. S-5

### Highlander

Nov. 25 – (12 week) Intermediate intense yellow decorative. S-3

### Hilda Bergen

Oct. 25 - (9 week) Small reddish bronze incurve. S-1

### Holiday

Dec. 1 – (12 week) Intermediate red single. Sprays. S-3

### Honeymoon

Nov. 4 - (9 week) Large yellow daisy. Good form and an unusually clear yellow color. Recommended in the greenhouse and cloth house. S-1

#### Horizon

Oct. 5 – (7 week) Intermediate white pompon. Outdoor cut flower. Responsive and productive in the cloth house. S-3

### Humdinger

Nov. 10 - (10 week) Large luminous violet purple, formal pompon. A valuable disbud pot plant. Dissprays and cloth house. Tolerates 56°. Strong consumer ap-

### Huntsman

Oct. 5 - (7 week) Red Bronze decorative. Outdoor cut flowers. Showy, dependable. Background garden variety.

### ceberg

Nov. 5 - (10 week) Large white pompon. Tall vigorous growth. A proven greenhouse and cloth house spray variety improved by center bud removal. Tolerates summer temperatures well. Good as a year round fast disbud. Its vigor is well adapted to Bantamums.

### **Icecap**

Dec. 5 - (13 week) Intermediate chalk white pompon. Icecap combines the responsiveness of Acclaim, the vigor and production of Corsair with the formal beauty of Snowcap. It has Silversmith color clarity without a trace of pink. Will initiate and develop at 56° although. equally as valuable in 60° programs. Because of its extra vigor, best treated as a 14 week variety. An achievement in white sprays. Long sought for and highly desirable in northern, winter programs. Fast response.

### Ice Cream

Nov. 10 - (10 week) Intermediate decorative with 3 -4" diameters. White to cream depending upon temperature. Very reliable. Extraordinarily vigorous having a wide range of temperature tolerance for bud initiation. A valuable addition to the fast disbud program. As large a disbud as Iceberg.

### Ice Follies

Nov. 10 - (YB) (10 week) Large decorative. Chalk white. A very durable pot variety especially valuable in winter programs. While smaller than Oregon or Wilson's White it sets a new standard for uniform response, smart form and good breaking action. Combines the best traits of Snowclad and Chalk Cliff in the objective of a white Criterion.

### Illini Accent

Nov. 10 - (10 week) Intermediate to large decorative. Deep mauve purple. Stocky growth habit. Will tolerate 52° for initiation and development. Full color retention requires less than 60° finishing temperatures. A versatile responsive variety that can be recommended for cloth house and greenhouse spray programs. Pot programs with cool finish. Low temperature tolerance and intense color are its distinctive qualities.

### Illini Alba

Dec. 5 - (13 week) Intermediate chalk white daisy. Devoid of any tendency to pink either from low temperature or aging. Easily grown and of clean habit. Best described as a white Debutante. Alba will tolerate 56° for initiation and development. Responses are dependable and uniform when lighted through mid March. Best spray formation and height control is obtained with Illini Alba when it is treated as a 14-week variety.

### Illini Bonbon

Nov. 18 - (11 week) Very small dark yellow anemone. Short growth habit. Dainty individual flowers develop perfect well-rounded cushions and are borne in massive clusters on short natural sprays. Exclusively for pots. High temperatures stall flower development. Will merit attention for its massive display of dainty and individually perfect anemone flowers.

### Illini Bountiful

Nov. 23 - (11 week) Small ivory pompon.

### S-1

### Illini Brighteyes

Dec. 15 - (14 week) Intermediate anemone. Lemon vellow ray; dark yellow cushion. Open sprays, normally terminal. Petioles are stiff, stems wiry and strong, Requires 60° for uniform initiation. Tolerates 60° or less for development. Brighteyes has never shown a trace of vegetativeness and constitutes a winter Illini Wampum. Production is average. Quality high. Spray programs.

### Illini Cascade

Jan. 5 - (15 week) Large clear white decorative. Improves the color, size, vigor, and response of Illini Snowbound. Tall, responsive. Finishes well at high 60° or low 50° temperature. Disspray programs. A valuable addition to the northern winterprogram. Suggested as a winter fast disbud. Fine for cool 60° units. S-4

### Illini Formal

Nov. 23 - (11 week) Intermediate lavender pink pompon. Flowers for Thanksgiving. Very novel form with tubular rays. Greenhouse and cloth house. S-2

### Illini Glacier

Dec. 1 - (12 week) Medium anemone. Clear white with white cushion. Durable, productive and uniform response. Disspray and fast disbud crops. Improves Long Island Beauty in color, form and keeping quality. Requires 60° initiation. Cool finish. Vigorous Bantamum.







### Illini Gold

Nov. 25 – (12 week) Small golden yellow pompon. S-1

### Illini Goldilocks

Nov. 15 – (11 week) Intermediate golden yellow decorative. Tall and vigorous. Requires high light intensity for maximum production. Unsurpassed as a decorative in the late cloth house. Greenhouse and fast disbud programs. Requires 60° or less to develop its flower buds. Vigorous Bantamum.

### Illini Goldrift 🕎

Nov. 18 – (U. of Ill.) (11 week) Intermediate feathered decorative. Bright golden yellow. Form closely resembles Illini Snowdrift. Growth is cleaner, stronger and requires little or no disbudding. Flower is larger and fully double. Intolerant of summerheat. Sufficiently vigorous to produce good crops late fall, winter and spring in regular and fast programs. A variety with inspiration.

### Illini Homespun 🏵

Dec. 20 - (U. of Ill.)(14 week) Intermediate single. Bright tomato red. Medium height with heavy stem. Best on raised beds. Color enhanced by cool finish. Recommended for retail growers seeking a distinctive and unusual new color.

### Illini Igloo

Nov. 10 – (10 week) Intermediate ivory white pompon. Good for outdoor shading. Formal and durable. Tolerates  $56^{\circ}$ . Greenhouse and cloth house. S-6

### Illini Peace

Nov. 25 - (12 week) A productive white anemone for Thanksgiving. Sprays.  $\mathcal{S}-2$ 

### Illini Redwood

Nov. 25 - (12 week) Intermediate red pompon. Hard, durable and well formed flower. Fine red pompon for Thanksgiving and December. S-2

### Illini Roseglow

Nov. 25 - (12 week) Intermediate pink pompon. Requires low temperature (max. 55°) finish. Productive. Best dissprayed.

### Illini Snowbound

Jan. 5 - (15 week) Large informal white decorative with cream center. Requires  $60^{\circ}$  initiation and  $50^{\circ}$  development.

### Illini Snowdrift

Nov. 12 - (10 week) Novelty, intermediate, feathered white decorative. Valuable in artistic arrangements. Sprays. Pots. S-5

### Illini Springtime

Nov. 15 – (11 week) Intermediate pink single. Outstanding color and vigor. S-1

### Illini Starflower

Nov. 18 - (11 week) Large semi-anemone spoon. Single, A novelty in white for retail growers. Disspray or disbud.

### Illini Starlet

Dec. 10 - (13 week) Intermediate white anemone. Improves Garza in form, growth and clarity of color. Spray programs. S-3

### Illini Sunspot

Nov. 20 – (11 week) Large yellow pompon. Responds well to disbudding. S-3

### Illini Wampum

Nov. 25 - (12 week) Beautiful, bright yellow anemone with greenish yellow cushion. A good addition to the late winter and early spring program. S-2

### Illini War Paint

Nov. 22 – (11 week) Large smooth maroon red decorative. Heavy, vigorous growth. Restrict to low temperature finish. Versatile as fast disbud and disbudded spray. Colorful Bantamum.

### Illini Warrior

Nov. 20 - (11 week) Intermediate rust bronze pompon. S-1

### Illini Yel, Snowbound

Jan. 5 – (15 week) Yellow sport of Snowbound. Requires  $60^{\circ}$  for initiation and  $50^{\circ}$  for development. S-2

### Imp. Br. Daisy

Nov. 1 - (9 week) Intermediate copper red bronze single. S-1

### Imp. Bronze Supreme

Dec. 10 - (13 week) Large buff bronze anemone. Dis-

### Imp. Dark Supreme

Dec. 13 - (13 week) Large pink anemone. Short. Late disbud. S-1

### Imp. Ind. White

Nov. 5-(10 week) Large white standard. Selected for, and provides a very significant reduction of winter quilling in comparison with the original parent variety. During the winter, depth of flower is greater and incurvature improved. Proven to be devoid of pink tinges at low finishing temperatures. Slight ivory overcast until full maturity. This is the answer to growers who desire better form in their fall, winter, and spring crops of Indianapolis White. Best for cool units. Not as tolerant to warm 60° in winter as Ind. White.

### Imp. Ind. Yellow

Nov. 5 - (10 week) Light golden yellow selection of Ind, Yellow, Displays best form for yellow Indianapolis varieties in winter crops. Standards, disbuds, and pots. Useful Bantamum.

### Imp. Pk. Minstrel

Dec. 13 - (13 week) From a designer's and retailer's standpoint, this is the best of the Minstrels. Its color resembles that of Pink Dot and it does not deteriorate rapidly with maturity. Imp. Pk. Minstrel has form, substance and color. Sprays.

### Imp. Red Daisy

Nov. 1 - (9 week) Intermediate red single. Petallage color and spray surpass Red Daisy.

### Imp. White Supreme

Dec. 10 - (13 week) Large white anemone. Tall disbud. Finish cool.

### Imp. Yellow Rayonnante

Nov. 5 - (10 week) A clear yellow spider selection of Yellow Rayonnante with increased size and improved form. Vigor and stem strength are also greater. West coast variety.

### Imp. Yellow Supreme

Dec. 10 - (13 week) Large yellow anemone. Disbud. Tall.

#### Inca

Nov. 10 - (10 week) Intermediate anemone, amberbronze turning to bright yellow at high temperatures. Breaks freely; spreads and produces well. Versatile pot plant variety throughout the year. Superior to Sunray for either pot plant or cut flower sprays.

### Incurved Delaware

Nov. 8 - (10 week) Large standard. Reddish bronze. Tightly incurved form mutation from Delaware. Quite different in appearance from parent variety in that it holds its form and conceals the open center well past maturity. Since only reverse petal color is shown, overall color is more bronze, less red than a reflexed Delaware. Form provides greater substance. Recommended for pots the year round. Becomes slightly shorter and flowers 3 - 4 days later than parent during the marginally low light intensity periods of mid winter.

### Indiana Market

Nov. 20 – (11 week) Intermediate white incurve. S-1

### Ind. Apricot

Nov. 5 - (10 week) Intermediate warm apricot bronze incurve. A more versatile color than its parent Ind. Bronze. Size slightly smaller; habit stronger. Standards and fast crops. Fine Bantamum.

### Indianapolis Bronze

Nov. 5 - (10 week) Large bronze incurve. Standards, disbuds, and pots. Useful Bantamum.

### Ind. Cream



Nov. 5 - (Barber) (10 week) Large incurve. Cream yellow. Sport from Ind. White. Taller and more vigorous than Ind. Yellow and a few days slower response. At a peak of use and value in spring and fall standard, fast disbud and bantamum programs.

### Indianapolis Gold

Nov. 5 (10 week) Large golden yellow incurved standard. Color intensifies the present Dk. Ind. Yellow. Same growth habit and flower size. Pots, fast disbuds, and standards. Good Bantamum. 5-4

### Indianapolis Pink

Nov. 5 - (10 week) Large pink incurve. Standards. Disbuds, pots. Large Bantamum.

#### Indianapolis White

Nov. 5 (10 week) Large white incurve. Standards, fast disbuds, and pots.

### Ind. No. 3 White

Nov. 5 (Y.B.) (10 week) Large incurve. White. Sport from Indianapolis White. Like the Imp. Ind. White it does not quill under winter low light and temperature conditions. Noticeably larger than the Improved, of whiter color, and superior in its form retention and depth of flower. It is, by all measurements, the best selection to date from Indianapolis White. Dependable Bantamum.





### Indianapolis Yellow

Nov. 5-(10 week) Large lemon yellow incurve. Standards, disbuds, and pots. Attractive Bantamum. 5-8

### Indian Head

Nov. 28 - (12 week) Intense red bronze single. S-1

#### Irene

Oct. 15 - (8 week) Small button pompon. White. S-1

### Ivanhoe

Nov. 1-(9 week) Small reddish bronze incurve. Tolerates  $56^{\circ}$ . Fast disbuds and standards. 5-3

### Jackpot

Dec. 5 – (13 week) Large golden yellow decorative. Disspray. Must have  $60^{\circ}$  initiation temperature. S-1

### James Stewart

Oct. 15 – (8 week) Apricot gold pompon. Responds with Norona in the early shadings for July cloth house. Natural cut flower for greenhouse and outdoor plantings. S-1

### Jealousy

Nov. 10 — (10 week) Small pompon. Intense yellow, bright green eye. Hard, ball type. Durable, prolific and dependable. Spray programs and cloth house. Valuable supplement to Gold Coast. Shapes up well as a natural pot plant. Will develop green bracts under extreme heat.

### Jean Elizabeth

Nov. 10 - (10 week) Large white semi-incurve. S=2

### Jessamine Williams

Oct. 1 – (7 week) White spoon decorative. A prolific and responsive variety well suited to spring pots with no light and no shade treatment. Far showier than Chris. Columbus and equally dependable. An appealing form that also creates demand as an outdoor garden variety.

### Jetfire

Nov. 5 – (10 week) Intermediate flaming red decorative. A color that holds even in high temperatures. Used some in pots. Outstanding in the cloth house and greenhouse. Best on sterilized soils. Susceptible to verticillium wilt. Tolerates 56°.

### Jewell

Oct. 15 – (8 week) Small formal pompon. Lavender pink, short and productive. S-1

#### John Baumann

Nov. 20 — (11 week) Large paper-white spider. Duplex form. Partially spooned petals. A novel and efficient retailer's item best grown in a fast disbud program. An exceptionally fine winter performer in the north. Considered faster and much more reliable than Illini Starflower during the spring months. Useful in Bantamum program.

### Joybringer

Oct. 10 - (7 week) Salmon rose pompon. For borders and spring pot culture. Spreads well. Short and compact. S-2

### **Jubilation**

Nov. 15 – (11 week) Large pompon. Masterpiece pink. Growth is clean and strong with sharp responses. Jubilation is the best product to date that meets the need for a late fall, early winter and spring Bluechip. Spray and habit are closely identical. Tolerant of  $56^{\circ}$  for initiation and development. The performance and production improve the Taffeta, Almega, Delmar series. Re commended for greenhouse spray programs. Superb cloth house performer whenever 11-week varieties are utilized. Vigorous Bantamum.

### Jupiter 📽

Nov. 20 - (Y.B.) (11 week) Large decorative. Pure white. A vigorous spray variety well suited to regular and fast crops. Of Iceberg size and Belray color clarity. Temperature tolerance of Iceberg. Has all the traits that best describe it as an 11-week, pure white Heyday. Greenhouse and cloth house.

### J. W. Prince

Nov. 5-(10 week) Intermediate lavender pink incurve. S-3

### Keepsake

Oct. 25 - (9 week) White pompon. Fine high temperature performance. Light pink suffusions at low temperature. Sprays and cloth house. S-5

### Kings Ransom

Oct. 10 - (7 week) Intermediate decorative. Golden yellow. Tops for yellow in no light - no shade spring pot programs. Prolific, strong in habit and medium height. Colorful and equally dependable as a fall garden specimen. S-1

### Klondike

Nov. 20 - (11 week) An orange yellow pompon. Cloth house and greenhouse. Give one additional long day week to add height. Disspray.

\$-3\$

### Larry

Oct. 1 - (7 week) Intermediate paper-white pompon. Compact shorthabit defines its place as a high quality pot variety. Flowers with Chris. Columbus. Satisfactory as a natural spray in pots. Disbudding substantially increases flower size as well as improving flower substance. Not troubled by pink tinges at temperatures less than 60°. This is tops among the 7-week whites for pots.

### Laughter

Nov. 10 - (10 week) Intermediate light lavender pink decorative disbud. Comparable to Bluechip for high temperature finishing. Tall growth habit. Performs reliably in both the standard and fast disbud programs the year round. This is the answer to a pink disbud for the summer greenhouse. Vigorous Bantamum.

### Lavender Queen

Nov. 10 - (10 week) Lavender sport of Orchid Queen. Flower more compact and color more intense than that of Dark Orchid Queen. Standards.

### Lee-Ette

Oct. 23 - (8 week) Small silver bronze double spider. Only reverse color displayed on completely tubular petals. A bizarre novelty for spring and fall pots. Equally attractive as an intermediate fall garden variety. Tolerates 56°.

### Lee Powell

Oct. 10 - (7 week) Large golden yellow decorative. Vigorous background and cut flower variety.

### Legal Tender

Nov. 20 - (11 week) Intermediate bronze decorative.

### Legend

Nov. 25 - (Y.B.) (12 week) Intermediate formal pompon. True lavender pink. Fills a real gap in winter programs for a good pink Icecap or Corsair. Its flower is equally as beautiful as Minstrel. Response is uniform all winter through April. It is hard, durable and will ship well. In the winner's circle of top quality winter pompons.

### Lillian Doty

Nov. 1 - (9 week) Large light pink pompon. Disspray and disbud.

### Linda Lou

Nov. 10 - (10 week) Intermediate light lavender pink anemone. Responsive. Tolerates 52°. Greenhouse and cloth house.

### Lipstick

Oct. 5 - (7 week) Small burgundy red cushion pom. dwarf spreading habit coupled with free breaking action add up to a reliable spring pot plant. Very shapely and colorful if finished at 60° or less. A fine prolific garden variety.

### Little America

Nov. 10 - (10 week) Intermediate pure white anemone. Greenhouse sprays. Excellent disbudded for pots. S-5

### Lollipop

Nov. 20 - (11 week) Lemon yellow pompon. Very formal, round and hard. Has a long season of usefulness. Fast response, and good production. A very reliable 11-week variety. Greenhouse and cloth house.

### Long Island Beauty

Nov. 20 - (11 week) Large white anemone. Yellow cushion. Disspray and fast disbud programs. Tolerates 56°.

#### Lorraine

Nov. 15 – (11 week) Lemon spider. Hooked tube. S-1

### Loubens 🛞

Nov. 5 - (10 week) Large incurved standard. Deep lavender pink. Very short habit for pots. Overcrops when pinched but the best pink available for single stem pot programs. Its size, color and form are close to ideal for this purpose. A complete manifestation of qualities that single stem pot culture demands.

### Luminary W

Nov. 5 - (10 week) Intermediate yellow disbud. Decorative form. A Bonnaffon seedling that performs at its best in pots during the warm periods of the year. Extremely vegetative and non-responsive during winter and early spring in the north. Same spreading habit as parent. When Bonnaffon Deluxe stalls in the summer, switch to Luminary. A summer DeLuxe.

#### Lung

Nov. 1 - (9 week) Small light cream incurve. Compact and uniform. Pots.

### Luxury

Nov. 8 - (10 week) Large decorative. Clear yellow when restricted to high temperature flowering. Superb fast disbud. Vigorous, responsive. Disbudded spray programs and cloth house. Summer Bantamum.

### Luyona

Oct. 25 - (9 week) Large yellow spider with quality blooms and fine stem. Tolerates 56°. Standards and fast disbuds. Prolific and dependable Bantamum. S-5







### Lynda McLane

Dec. 25 - (14 week) A late pink pompon with a habit that does not produce blind growth and a color that is highly acceptable. Late natural crops, S-2

### Madonna

Nov. 5 - (10 week) Intermediate white pompon. Spring and summer greenhouse program. Takes high temperature well. Cloth house. S-2

#### Maestro

Oct. 10 – (7 week) White pompon. Dwarf, compact growth. Excellent for borders and pot plants. S-1

### Magic

Nov. 15 – (11 week) Intermediate anemone. Dark orchid pink with gold tipped cushions. Rapid, vigorous growth. Very durable and useful in the cloth house. In the greenhouse it combines flawless performance with production and striking color. Tolerant of 56° for initiation and development. Contributes needed form variety to the 11 week pompon group.

S-1

### Magician

Nov. 5 – (10 week) Large reddish bronze pompon. Excellent form. S-2

### Majestic

Oct. 20 – (8 week) Intermediate incurved disbud. Large pompon. Warmorange-bronze color with coral overtones. Short and spreading habit with prolific breaking action. Attractive foliage. Quality, appeal, and dependable performance results in one of the best early bronzes for pots bred to date. Border garden variety.

### Major Bowes

Oct. 20 - (8 week) Intermediate lavender incurve. Short Early greenhouse and outdoor disbud. S-2

### Malou 🕎

Nov. 1 — (9 week) Intermediate incurve. Chalk white. Extremely short habit and strictly a pot variety. Pinched crops require high light environments. Best as a single stem pot where its beautifully rounded, incurved form has unlimited appeal. Fine also for small units grown single stem in 3" pots. In pots it solves the height and uniformity problems of Indianapolis White during its recommended period.

#### Mamoru

Nov. 5 – (10 week) Buff copper spider. S-1

### Marblehead

Oct. 25 - (9 week) Medium clear white incurve. Durable and responsive. Best early white for fast crop program. Standards.

S-4

### Margaret Moeller

Dec. 3 - (12 week) Intermediate white incurve. Short habit. S-3

#### Marie DePetris

Nov. 23 - (11 week) Intermediate deep yellow incurve. Standards. Popular for natural Thanksgiving crops.

S-4

### Marion Breedon

Nov. 20 — (11 week) Intermediate to large anemone. Smooth lavender-rose pink. Achieves a new standard for good form and color in anemones. Vigor, production and quality greatly improve the Pink Long Island Beauty series for fast disbud and disspray programs. S-1

### Marketeer

Nov. 18 - (11 week) Intermediate chalk white incurve. Standards and pots. S-5

### Mary Garden

Nov. 1-(9 week) A pink Spider. Tube. Standards. Fast disbuds.

### Mary Hall

Nov. 5 - (10 week) Intermediate deep lemon Pompon. Tolerates high temperatures well. Greenhouse and cloth house sprays. Tolerates 56° for bud initiation.

5-4

### Mary McArthur

Oct. 23 – (8 week) Small deep coral pink pompon. S-1

### Masterpiece

Nov. 12 – (10 week) Intermediate lavender pink pompon. Disspray. Tolerates 56°. \$-4

### Mayfair

Oct. 15 - (8 week) Intermediate smooth pink single. For cut in the greenhouse. Outstanding production.

S-1

### Mayford Titan

Oct. 24 — (8 week) Intermediate incurved standard. Intense golden bronze. When finished cool it approaches Detroit News color. Superb form with News durability and substance. A tall, vigorous variety best grown on a pinched crop basis reaching its peak of perfection in May and June. Summer conditions induce crownish budding. An outstanding fast disbud, medium sized standard and bantamum for recommended periods. P

### Mayford's Triumph

Oct. 15 – (8 week) Large orange bronze decorative. Tolerates 56°. Fast disbuds. S-1



Oct. 25 - (9 week) Large incurved standard. Deep lemon yellow. Tall, vigorous growth habit well suited to standard and fast disbud programs but should not be crowded. Withstands burning. Its tight, beautifully incurved form is reminiscent of Penrod. A useful supplement to the White Pink Chief series.

### Medallion

Dec. 20 - (14 week) Intermediate lavender rose pompon.

#### Mefo

Nov. 10 - (10 week) Large ivory incurve. Most important winter standard. 8-2

#### Memento

Oct. 30 - (9 week) Intermediate chalk white single with green discs and durable petals that retain their original form into maturity. Reliable cloth house and greenhouse variety. Tolerates both low and high temperatures for bud development. This single embodies the versatility of Silvertone with a form and clarity of color superior to Halo.

### Memorial

Nov. 12 - (10 week) Intermediate pink anemone. Greenhouse and cloth house.

### Mermaid 🔗

Nov. 5 - (10 week) Intermediate pompon disbud. Medium lavender pink with an intense tone on tone center contrast. A dwarf version of Portrait with decidedly better breaking action and spreading habit. Unfailing as a year round pot variety. High temperature color retention equals that of Blue Ribbon. Fine foliage with smart, formal form.

### Merriment

Nov. 10 - (10 week) Medium lavender pink decorative disbud. Fast, vigorous growing variety that will tolerate 56° for bud initiation. A worthy supplement to standard and fast disbud programs. Attractive Bantamum.

### Merrymaker

Dec. 20 - (14 week) Intermediate red single. Christmas S-3sprays.

#### Meteore

Dec. 13 - (13 week) Intermediate deep lemon semiincurve.

### Minstrel

Dec. 13 - (13 week) Intermediate lavender pink pompon. Sprays.

### Minuet

Nov. 23 - (11 week) Small true pink pompon. Excel-5-2 lent form. Sprays.

### Mirth

Oct. 20 - (8 week) Intermediate pink single. Especially valuable in spring spray programs. Durable and uniform response in the cloth house.

#### Mischief

Oct. 10 - (7 week) Small single. Dark purple with contrasting yellow discs produced in profuse abundance on a globose plant. A colorful novelty that lends itself for spring and fall pots. Also an attractive foreground garden variety. Tolerates 56°.

### Mona

Oct. 5 - (7 week) Very hard, intermediate rust bronze pompon. A variety for border and spring pot culture. S-1

### Monty

Oct. 25 - (9 week) Intermediate clear white disbud decorative. Breaks freely, spreads well. Supplements and strengthens the white pot plant program. More durable than Wilson's White. Stretches and responds un-5-4 evenly under high temperature.

#### Monument

Nov. 10 - (10 week) Intermediate ivory incurve. S-4

### Moonlight

Oct. 1 - (7 week) Intermediate sulfur yellow pompon. Short compact growth habit. For garden borders and spring pot plants. S-1

### Moontide &

Oct. 28 - (9 week) Medium to small ivory-white standard. Develops into a tightly incurved ball form. More accurately defined in appearance as an over-sized Luna flower. Fast growing variety. Highly recommended as a fast disbud. Withstands minimum of 56° in the spring for bud initiation.

#### Moracca

Oct. 12 - (7 week) Intermediate reddish bronze decorative. Free breaker, with a rigid, spreading growth habit. Excellent spring pot plant. Superb fall garden variety. Contributes needed durability to the garden S-1variety group.

### Mrs. Dewey

Nov. 15 - (11 week) A heavy petalled deep orange bronze single.



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### Mrs. DuPont

Oct. 12 – (7 week) Large buff apricot decorative. Tolerates 56°. Spring pots. S-1

### Mrs. Eisenhower

Nov. 18 - (11 week) A vivid golden bronze spider mum with excellent substance and form. Standards S-1

### Mrs. Kidder

Oct. 20 - (8 week) Large golden yellow incurve. S-4

### Mrs. Palmero 🕎

Oct. 28 - (9 week) Large semi-incurve standard. Maroon red. Responsive at all periods with excellent uniformity. Resemblance to Oak Leaf in size and form is strong. Stem is rigid and polished foliage attractive. Dependable, and easily done as a standard. It also shapes up well as a single stem pot in recommended periods.

### Mrs. Robinson

Oct. 25 - (9 week) Intermediate white incurved standard. Beautiful form and heavily petalled. Popular All Saints Day standard as a southern field and cloth house variety. S-2

### Mrs. Roy

Nov. 13 – (10 week) Large red incurve with copper reverse. Standards. S-5

### Mrs. Wolfe

Nov. 1 — (9 week) Large incurve. Lemon yellow. Of Yellow Chattanooga size and color. Almost an exhibition of shorthabit and remarkable response uniformity. Its place is exclusively in single stem pot culture where 6 — 8"blooms are obtained. Does not burn. Mrs. Wolfe provides greater dependability of performance as single stem pot specimens than previously had with Ind. Yellow.

### Muto's Crimson

Dec. 1 - (12 week) Intermediate deep crimson incurve. Copper reverse. S-2

#### Navaho

Nov. 1 - (9 week) Intermediate brick red pompon. S-1

### Nectarine

Nov. 5-(10 week) Intermediate apricot orange pastel decorative. Has no color competition during its season. Vigor of Copperhead. More beautiful form. Ideal either as a spray or fast disbud when able to finish at  $60^\circ$  or less. When grown as a spray, benefits from removal of center bud. Tolerates  $56^\circ$  or less. Vigorous Bantamum.

### Nevada

Nov. 20 – (11 week) Intermediate white anemone. Chartreuse cushion. S-3

### Nightingale

Nov. 5 – (10 week) Chartreuse green spider. Very popular West Coast novelty. This stock is now considered free of aspermy virus. Valuable in fall programs. Very novel Bantamum.

### Nomago

Nov. 5 – (10 week) Light bronze spider. Standards. S-1

### Norona

Oct. 15 – (8 week) Small ivory white solid pompon. S-1

### Northwind 🏵

Dec. 8 – (13 week) Medium to large pure white single. Represents a decided improvement in vigor and productive capacity among the presently available white singles for winter production in the north. Durable flowers enable it to be shipped without difficulty. Extremely reliable in cool 60° program. Greenhouse spray programs.

### Nugano

Nov. 30 – (12 week) Intermediate pompon. A quality flower. One of the most important pink pompons for this season. Greenhouse sprays. Add an extra week to improve height.

### Oak Leaf

Nov. 25 – (12 week) Intermediate copper incurve. (Dk. Br. Gladys Pearson.) Valuable for Thanksgiving crops. Standards, S-4

### Ohio State 🕎

Oct. 25 — (DePetris) (9 week) Large, intense yellow decorative. Habit is ideally suited to pots. Breaks well with spread and fine foliage. Its fast uniform response, tolerance of high temperature and brilliant color add efficiency and form variation to the popular Yellow Delaware.

#### Olnura

Nov. 22 – (11 week) Large apricot buff anemone. Valencia size disbud. Superb color and form. Sharp response. Tall, vigorous, and productive. Disbudded sprays. Fast disbudprograms. An outstanding DePetris achievement of superlative vigor and beauty. S-3

### Omega

Dec. 1 – (12 week) Intermediate deep lemon pompon. Very productive. Greenhouse and late cloth house. Best in warm  $60^{\circ}$  units.

### Orange Beauregard

Nov. 5 - (10 week) Lively, light orange or golden bronze sport from Beauregard. Yellow during summer high temperatures. Tolerates 56°. Greenhouse and cloth house.

### Orange Galaxy

Dec. 1 - (12 week) Sport from Galaxy. Golden orange daisy. Spray programs.

### Orchid Queen

Nov. 10 - (10 week) Large light orchid pink semi-incurve. Standards.

### Orchid Valencia

Nov. 28 - (12 week) Large orchid pink single. Semianemone cushion.

### Oregon

Nov. 5 - (10 week) Large white semi-incurve. Exclusively a pot plant variety. Stronger habit, larger and more beautiful flower than Wilson's White. Compact, short, rigid growth and vigorous breaking action. Flowers develop most rapidly when finished at 60° or less. Will rapidly become the favorite white mum for pots. Does not blacken its centers during the winter months. Also excellent for single stem pots in recommended period.

### Oregon Trail

Nov. 5 - (Hoffman) (10 week) Large semi-incurve. Light yellow resembling the variety Luna in color. Sport from Oregon. Has the same habit and response as its popular parent. Color is a smooth, pleasing shade that is quite resistant to fading. Superb single stem variety in recommended period.

### Ostosa

Sept. 25 - (7 week) An intermediate paper white pompon on a semi-dwarf plant. Early and very free flowering. One of the best whites for foreground garden. Pots.

#### Pacesetter

Nov. 10 - (10 week) Intermediate pure white single. Sprays. A very fine pot plant disbud. Cloth house. S-4

### Pandora

Nov. 10 - (10 week) Large luminous pink decorative. Vigorous and productive. Requires 60° initiation. Greenhouse and cloth house. Good Bantamum. S-3

### Paradi se

Oct. 20 - (8 week) Intermediate coral red single. Tolerates 56°. Recommended for greenhouse and cloth house.

### Paragon

Nov. 12 - (10 week) A large rust red pompon. Greenhouse sprays, fast disbuds and cloth house programs. Vigorous Bantamum.

### Paramount

Nov. 23 - (11 week) Intermediate ivory white pompon. Spray programs and cloth house. Valued for its formal form.

### Parisienne

Nov. 5-(10 week) Intermediate shell pink single. The color is as close to truepink as exists in the chrysanthemum. A color far better than that of Reward. Sprays.

### Patterson's White

Nov. 1 - (9 week) Large white semi-incurve. Selection from Wilson's Yellow. Principal advantages over Wilson's White are its greater resistance to blackening of centers in the fall, winter and spring which is correlated with its increased vigor and improved foliage. Fine for single stem pots in spring, summer and fall.

### Paxon

Oct. 25 - (9 week) Intermediate feathered decorative. Bronze version of Illini Snowdrift. Vigorous habit lends itself to both regular and fast spray programs. Intolerant of less than 60° but very responsive with some color dilution in high temperature periods. Responsively slow if flowered before May. Discriminate designers repeatedly call for Paxon.

### Peach Chip

Nov. 1 - (Knouse) (9 week) Intermediate decorative. Bright peach pink. With cool finishing temperatures of spring and fall, the color is unmatched for brilliance and harmony. Has all the vigor and temperature tolerance of Bluechip. Profitable in both fast and regular spray programs. A beautiful supplement to Bronzechip especially in the spring and for cloth house programs.

### Pennant

Nov. 10 - (10 week) Intermediate deep pink pompon. Tolerates 56°. Recommended in the greenhouse and S=5cloth house.

### Personality

Nov. 10 - (10 week) A large luminous-pink incurved pompon. Tolerant of 56° for bud initiation and development. Adds color and form improvement to Queen of Pinks as a pot plant. Uniquely favored with short internodes and large foliage.





### Pilgrim

Oct. 15 – (8 week) Intermediate pompon. Clear white. Temperature tolerance of Chris. Columbus. Improving that variety in all respects. Pot Plant programs. Durable compact garden variety. S-1

## Ping Pong 🏵

Nov. 5 — (YB) (10 week) Small formal pompon. Clear white. A very hard, round and durable flower. Strong, rigid stem and terminal spray. Does not shatter. A large Pinocchio. This will be a shipper's delight. Chalk white, ball type poms as attractive as Ping Pong are always in steady demand.

### Pink Chief

Oct. 15 – (8 week) Large lavender incurve. Tall. Excellent in natural season. Tolerates 56°. Standards.

### Pinkchip

Nov. 1-(9 week) Intermediate decorative. A flattering light pink selection of Bluechip. Identical growth habit. Can be grown whenever Bluechip is recommended. Greatest color difference is noted when finished at  $60^\circ$  or less. Greenhouse and cloth house. This variety should eventually contribute to a more extensive appreciation for the light pink colors associated with chrysanthemums. Tolerates  $56^\circ$ . S-4

### Pink Deluxe 🔗

Nov. 10 — (10 week) Medium to large lavender pink disbud. A significant achievement in the development of flower size within the pinks available for pots. Four to five inch decorative type flowers are produced on a Bonnaffon type chassis. Heavy stems, short internodes with free and wide-angled breaking action. Can be efficiently flowered in pots 12 months of the year. Color is bestpreserved during the summer months when developing flowers are given some shade protection. A variety for those who seek the best.

#### Pink Dot

Oct. 25 - (9 week) Small pink pompon. Fine two-tone. Greenhouse and cloth house. S-4

### Pinkette

Oct. 25 – (9 week) Small dark pink pompon. Tolerates 56°. Greenhouse and cloth house. S-2

### Pink F. Shoesmith

Nov. 12 - (10 week) Large incurve. Light pink sport from Fred Shoesmith. Maximum color expression obtained only with cool finish. Habit and response are identical to parent variety. Best in late fall and Christmas period. Fred Shoesmith and all of its sports are the most reliable when grown as pinched crops. P

### Pink L. I. Beauty

Nov. 20 – (11 week) Large light pink yellow cushion anemone. Disspray and disbud. S-1

### Pink Mistletoe

Dec. 5 - (13 week) Intermediate light pink incurve. finish cool. S-1

### Pink Peter John

Nov. 25 – (12 week) Large light orchid pink decorative. Best size of Peter Johns. Standards. Fast crop programs. Intolerant of low temperature. 60° minimum for bud initiation: 55° for bud development. Good Bantamum.

### Pink Pockett

Nov. 10 - (10 week) Large lavender pink incurved exhibition. S-1

### Pink Portrait

Nov. 8 – (10 week) Large light lavender pink pompon. Portrait sport with an identical growth habit. A useful supplement for Portrait during periods of the year when a shade lighter than Portrait may be desired. Pots. Spray crops – greenhouse and cloth house.

### Pink Snowdrop

Dec. 8 - (13 week) Smooth light pink sport from Snowdrop. Growth habit and response are identical to the parent variety. Spray program. S-2

### Pink Supreme

Dec. 10 - (13 week) Large pink anemone. Habit resembles Imp. White Supreme. Tall Disbud.

### Pink Yamane

Nov. 10 - (10 week) Large lavender pink spider. West coast variety. S-2

### Pinocchio

Oct. 25 - (9 week) Small pure white pompon. Formal and distinctive. Sprays and cloth house. S-5

### Pioneer &

Nov. 15 — (YB) (11 week) Large Pompon. Luminous shell pink. Essentially for Bantamum and fast disbud crops. Its principal assets are its vigor, consistently dependable response, low temperature tolerance and high production. A true home-sized disbud that is a real Pioneer for Bantamum crops.

#### Pippin

Nov. 20 — (11 week) Intermediate yellow pompon. Produces heavily on compound sprays. Shades well and lights well. Disspray. Greenhouse and cloth house.

5-4

### Plum

Nov. 10 — (10 week) Large silvery lavender duplex spider. Petal completely tubular and partially incurved. A close counterpart to the old Vivacious Lady. Equal to the flawless dependability and superb growth habit of Luyona in a year round fast disbud program. This is another salient contribution to enlarge the range of variety for disbuds. Very novel Bantamum.

### Poinsettia

Dec. 20 - (14 week) Large scarlet red daisy. Tall sprays. S-4

### Poitevine Supreme

Nov. 1-(9 week) Intermediate white incurve. Wilson's White restyled and formalized. It is characterized by a completely incurved form. Petals are broad, incurved and not reflexed or twisted. Habit is a little more compact. A very fine single stem pot variety.

### **Polaris**

Oct. 5 – (7 week) An early golden buff daisy. Arctic hybrid. Background garden variety and October cut flower.

S-1

#### Popcorn

Oct. 25 - (9 week) Intermediate white pompon. Light pink at low temperatures. Outstanding production. Greenhouse and cloth house. S-3

### Portrait

Nov. 8 - (10 week) Large lavender pink pompon. A versatile variety. Tolerates 56°, Responds well to partial disbudding. Excellent pot disbud. Greenhouse and cloth house sprays. For sprays height is improved by addition of one long day week.

### Prelude

Oct. 24 – (8 week) Intermediate coral pink single. Requires cool finish. S-1

#### Princess

Nov. 25 – (12 week) Small pink pompon. Hard and durable, Late cloth house. S-2

### Princeton

Nov. 15 - (11 week) Intermediate golden decorative. S-1

#### Priscilla

Nov. 20 – (11 week) Intermediate clear white pompon. S=3

### Pristine

Oct. 20 - (8 week) Intermediate pure white pompon. Disspray. Cloth house and greenhouse variety. S-6

### Profile

Nov. 8 – (10 week) Large pompon. Another distinctive color variation to add to the increasing number of beautiful Portrait sports. A lively pink shade between that of Portrait and Dark Portrait. Form is more decorative. Growth, vigor and breaking habits are as good if not better than Portrait. Recommended for pots and spray programs. Summer color is best with some shade protection, but when finished cool, maximum color expression is dazzling among the Portraits.

### Prom 🏵

Dec. 13 – (Y.B.) (13 week) Intermediate pompon. Smooth, intensified Delmar pink. Fine vigor and strong stem for winter cut flower programs. Very close to a winter Portrait. Uniform response in cool 60° units. Spray development is markedly improved with the center bud removed.

### Queen of Pinks

Nov. 1 - (9 week) Small pink incurve. Excellent for pots. Requires cool finish. S-5

### Queen's Lace

Nov. 1-(9 week) White spider. Tolerates 56°. Standard programs, pots and fast disbuds. Bantamums. S-5

### Quick silver 😵

Oct. 25 – (Y.B.) (9 week) Large decorative. Pure white. More durable, uniform and prolific than Wilson's White and at least a week earlier than Oregon. Quicksilver achieves a new standard for large, showy pots averaging five plus breaks and opening all flowers very evenly. Its fast, uniform response makes for an efficient and profitable variety in any pinched or single stem pot program.

### Radiance

Oct. 15-(8 week) Intermediate red decorative. Breaks freely. Responds uniformly. Non-fading color. Spring pots. Color brighter, habit more prolific than Red Velvet. Valuable garden variety.

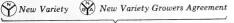
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#### Raigh

Oct. 15 - (8 week) Large scarlet red daisy. Natural cut flower outdoors and greenhouse. Background garden variety. S-1

### Ranger

Nov. 15 - (11 week) Intermediate true orange pompon. A smooth, brilliant new color. Always productive and reliable. Benefited by treatment as a 10-week variety. Tolerant of high temperature for bud development. An outstanding cloth house variety being terminal in its spray formation. Recommended for spring and fall greenhouse. S-5





### Raspberry Ice

Oct. 10 — (Y.B.) (8 week) Intermediate pompon. Raspberry pink. An early, responsive and prolific variety with compact, well branched habit that is ideally suited to spring and fall pots as well as the fall garden. Recommended for no light — no shade May pots. Enlivens the sheen and enhances the form of the popular Joybringer.

### Rayonnante

Nov. 5 - (10 week) Spider. Pink tube.

S-4

### Red Balcombe Perfection

Nov. 18 - (11 week) Intermediate incurve. Bright red with copper bronze reverse. Sport of Balcombe Perfection. Short variety. Suggest two additional long day weeks pinch to shade. Durable with fine substance. Cool finishes develop a tightly incurved form. Standard programs. Outstanding for Thanksgiving.

### Red Climax 🕎

Nov. 10 — (Delworth) (10 week) Intermediate pompon. Reddish bronze sport from Climax. Same vigor and production as parent variety. Requires cool finish for maximum expression and retention of color. A good one for cloth house programs.

### Red Daisy

Nov. 1 - (9 week) Intermediate red single. S-2

### Red Empress

Dec. 1-(12 week) Large disbud anemone. A mauvered sport of Empress. An essentially fine and appealing fast disbud. Very attractive Bantamum. P

### Red Enchantress

Dec. 5 – (13 week) Large disbud and disspray anemone. Clear maroon red. Attractive fast disbud for Christmas. All Enchantress varieties are improved by  $60^{\circ}$  initiation and less than  $60^{\circ}$  development. Recommended for regular and fast disbud programs. S-1

### Red Enterprise

Oct. 15 - (8 week) Rose red sport of Enterprise. Intermediate pompon. Vigorous cut flower habit. Very suitable spray variety for shaded spring programs as well as natural outdoor flowerings. S-1

### **Red Glitters**

Oct. 28 - (9 week) Red Sport of Glitters. Large decorative standard. S-1

### Red Humdinger

Nov. 11 - (10 week) An exciting burgundy red sport from Humdinger. Form, size, and vigor are identical to the parent variety. Color retention is good. Its lumi-

nescent sheen is unmatched by any other red available to pot programs. This is an evoking new color that has created much favorable comment wherever shown. Can be flowered in the same periods for which Humdinger is used. Pots, greenhouse sprays and cloth house. S-6

### Red Minstrel

Dec. 13 – (13 week) A sport from Br. Minstrel with a lively red glow added. Cinnamon red. S-3

### Red Princeton

Nov. 15 - (11 week) Intermediate rust red decorative.

### Red Rolinda

Nov. 23 - (11 week) Intermediate brick red anemone. Disspray and disbud. S-2

### Red Rust

Nov. 5 - (10 week) Intermediate decorative. Rust bronze. S-1

### Red Seneca

Nov. 1 - (9 week) Intermediate rust red decorative.

S

### Red Star 🕸

Nov. 5-(10 week) Large decorative. Red to reddish bronze. Dwarf pot habit. A profuse and wide-angled breaking habit contributes to a shapely plant. Flowers are large and double. One of the very best for a bronze in summer pot programs. Equally good for single stem pots in its recommended period. P

### Red Velvet

Oct. 10 - (7 week) Intermediate crimson red decorative. S-1

### Remembrance

Oct. 5 - (7 week) Intermediate carmine red pompon, compact growth. For garden and spring pots. Best with 60° minimum temperatures.

#### Resolute

Oct. 25 — (9 week) A large reddish-bronze semi-incurved pompon. Fully petalled. Bright red when finished cool and a smooth orange-yellow when finished warm. Strong, rigid growth habit. Versatile for pots, fast disbuds, and regular spray programs. Resolute along with Majestic, qualify for top billing for Mother's Day and early spring flowering pots. Should make a durable outdoor natural cut flower variety in the Southern States.

### Reveille

Oct. 25 - (9 week) Small pink pompon. Initiates and develops at 52°. Popcorn production. Requires low temperature finish. Shapely, for pots. Spray programs and cloth house.

### Revelation

Dec. 25 - (15 week) Intermediate white decorative. Excellent for late natural flowering with 50° finish.

### Reward

Oct. 25 - (9 week) A very productive deep pink single that holds color well, Tolerates 52°. Greenhouse and cloth house.

### Rhythm

Nov. 15 - (11 week) Smooth light pink intermediate daisy. Characterized by extra vigor and fast rate of growth. As a result, efficiency is increased by providing 12-week timing. A lively pink single that can be given the same timing as well as flowering closely with Galaxy. Recommended for greenhouse programs.

### Riviera

Dec. 15 - (14 week) Intermediate luminous pink decorative. Requires 60° initiation. Finish cool. Sprays. S-3

### Rosalind

Dec. 20 - (14 week) Intermediate light lavender single. Tolerates 56°. Sprays.

### Rose Delight

Nov. 20 - (11 week) Intermediate to small semi-incurve. Lavender rose. Strong vigorous habit well suited to fast disbud and standard programs. A valuable color for Thanksgiving.

# Rose Galety

Oct. 25 - (Delworth) (9 week) Intermediate coral rose single. Sport of Gaiety. A beautiful pastel color best grown in the cool finishing periods of spring and fall. Vigor and open spray formation make it useful in fast spray crops.

### Rose Masterpiece

Nov. 12 - (10 week) Intermediate light lavender pink S=3pompon. Disspray. Finish cool.

### Rose Medallion

Dec. 20 - (14 week) Rose pink sport of Medallion.

### Royal Bronze

Nov. 1 - (9 week) Intense orange bronze decorative. Tolerates 56°. Essentially a pot disbud. S-4

### Rubaiyat

Nov. 23 - (11 week) Velvety red intermediate formal pompon. Unequalled for October thru Christmas flowering. Slowed by high temperatures during bud development. Greenhouse and cloth house.

### Rubicon

Nov. 5 - (10 week) Intermediate red bronze decorative. Tolerates 56°. Greenhouse and cloth house. S-4

### Rusticon

Nov. 20 - (11 week) Intermediate rust red pompon. Greenhouse and cloth house.

### Sally

Oct. 25-(9 week) Small pompon. An intensified bronze and increased size selection from Bronze Dot. Cloth S-3house variety.

### Salmon Pandora

Nov. 10 - (10 week) Intermediate salmon decorative. Selection from Bronze Pandora. Unparalleled color for fall cloth house and greenhouse. Requires 60° initiation. Colorful Bantamum.

### Salmon Valencia

Nov. 28 - (12 week) Large salmon pink single. Out-S-1standing color. Disbud and disspray.

### Samovar

Nov. 10-(10 week) Intermediate intense rust red pompon. Cloth house and greenhouse. S-3

### Sandrock 🕎

Nov. 5 - (10 week) Small formal standard. Light bronze. Color of Indianapolis Apricot. Essentially a pot variety with a dwarf, responsive habit and excellent foliage. Pinched crops require high light conditions. Single stem pots are good the year round. Flower is hard and tightly incurved. Almost a true yellow under summer p temperatures.

### Satellite

Dec. 13 - (13 week) Intermediate cream white pompon. Very tolerant of cool 60°. Spray crops.

### Sauterne

Oct. 30 - (9 week) Intermediate intense yellow single. Recommended in the Greenhouse and cloth house. Outstanding natural. Tolerates 56°.







### Scepter 🛞

Nov. 10-(Y.B.) (10 week) Large decorative. Deep golden yellow. Will tinge golden bronze with low temperature finish. Constitutes a yellow pink Deluxe for size and form. Similar breaking action and spread, but shorter in habit. Ideally suited for small sized pots as well as the six-inch pot. Scepter provides maximum display value.

### Schn. Yellow Daisy

Nov. 1 – (9 week) Intermediate Yellow single. S-3

#### Scintillation

Nov. 10 - (10 week) Intermediate deep pink pompon. Very vigorous and heavy. Superb cloth house and greenhouse sprays. Requires  $60^{\circ}$  bud initiation. S-2

### Sculpture

Nov. 15 – (11 week) Large ivory white daisy. Greenhouse and cloth house. S-3

### Seafoam

Nov. 20 - (11 week) Intermediate ivory white pompon. S-1

### Sea Gull

Nov. 1 - (9 week) Intermediate ivory pompon. S-3

#### Seneca

Nov. 1 - (9 week) Intermediate copper orange decorative. S-1

#### Sentinel

Nov. 8 - (10 week) Intermediate ivory white tightly incurved standard. Vigor and habit resemble Mefo. Hard flower, durable and tolerant of heat in summer. Requires high light intensities. Standards and fast disbud programs. A more durable shipper to supplement Betsy Ross in the summer program.

#### Shamrock

Dec. 15 - (14 week) Large yellow decorative. Disspray programs.

### Shane 🛞

Nov. 15 – (Y.B.) (11 week) Intermediate to large anemone. Deep golden yellow. A colossal version of Yellow Shasta. Stronger in habit and vigor, deeper in color. Shane is an excellent answer for a late fall, winter and spring dark yellow Shasta. Its uniform response, vigor and size also makes for superlative fast disbuds and bantamums. Shane will be recognized as progressive improvement for northern cut flower programs in the winter.

#### Shasta

Nov. 10 - (10 week) Large white anemone. Tolerates 56°. Very dependable. Greenhouse, cloth house, and disbuds. Widely grown and popular spray variety. Bantamums. S-8

### Shibuya White

Oct. 20 - (8 week) Intermediate white daisy. West Coast variety. Larger than Calif. White Daisy. S-2

### Silver Bow

Oct. 25 – (9 week) Large white formal disbud pompon. Responsive and productive in the Fast Disbud programs. Displays a high degree of tolerance to summer greenhouse temperatures. A marked color and growth improvement over White Doty.

\$-3\$

### Silver Cloud

Nov. 1 - (9 week) Intermediate white single. Greenhouse sprays. S-1

### Silvercrest

Nov. 25 - (12 week) Small white formal pompon. Markedly improves the appearance and quality of Snowcrest. Sprays and cloth house.

### Silverplate

Oct. 12 - (7 week) White decorative. Outdoor cut flower. Pot plant variety. S-1

### Silver Queen

Oct. 25 - (9 week) White Fuji mum. Stem improves Rayonnante. Valuable for spring and fall programs.

### Silver Sheen

Oct. 20 — (8 week) Intermediate white incurve. September shadings and natural under glass. Tolerates 56°.

### Silversmith

Dec. 15 - (14 week) Intermediate pure white decorative. Fine Sprays and production for winter crops. Improved by cool  $60^{\circ}$  environments.

### Silvertone

Oct. 24 – (8 week) Intermediate white daisy. Similar in habit to Reward and Buckskin. Vigorous and productive. Fine high temperature performance. Tolerates 54°. Cloth house and greenhouse.

### Siren

Dec. 25-(15 week) A deep yellow decorative. Smaller than Vibrant but very similar to it and flowers later.

S=3

### Smith's Cream White

Dec. 10 - (13 week) A beautiful smooth cream colored sport from Smith's White.

### Smith's White

Dec. 10 - (13 week) Intermediate white semi-incurve.

#### Snow

Dec. 25 - (15 week) Intermediate white pompon. Requires 60° for initiation.

### Snowcap

Dec. 15 - (14 week) Large formal white pompon. When grown at a 60° F. minimum night temperature, this is one of the outstanding flowers available to winter spray programs.

### Snowclad 🙀

Nov. 1 - (9 week) Medium, paper-white disbud. Semishort, stocky habit will provide a grower with a "neverfail" white pot mum the year round. Flowers a week earlier than either Chalk Cliff or Oregon and develops superb quality during the winter months when Wilson's White is questionably soft. Heavily petalled flowers contribute to a relatively long period of freshness. Bud initiation will take place in temperatures as low as 52°. Has class, substance, and is tolerant to high temperatures. Of Portrait size, it rates with the best. A pure white Criterion.

### Snowcrest

Dec. 13 - (13 week) Small white pompon. Distinctive green eye. Responsively uniform in cool 60° crops.

5-4

### Snow Crystal

Nov. 5 - (10 week) Medium to large ivory white spider disbud. Fully double form. Feathery Spooned petals. Captures much of the delicate Snowdrift form from which it was bred. Strong habit, and wiry stems make it an exclusively novel pot variety useable the year round. Easily averages five uniform breaks from a soft pinch. Tolerant to wide ranges of temperature for initiation and development. Interesting Bantamum.

### Snowdrop

Dec. 8 - (13 week) White button pompon. Pink tinges at low temperatures.

### Snowflurry

Nov. 15 - (11 week) A white button pompon. Larger than Pinocchio. Requires 60° for initiation.

### Snowline

Dec. 20 - (13 week) A large showy white flower. Requires  $60^{\circ}$  to initiate and develop buds uniformly. S-2



Oct. 25 - (9 week) Intermediate white pompon. Withstands heat well. Requires high light intensity. Cloth house and greenhouse.

Dec. 5 - (13 week) A white decorative pom of medium

size. Represents continued advancement to improve quality, productiveness and low temperature tolerance

for northern winter pom programs. Recommended in greenhouse spray programs. Flower size benefited

materially when partially dissprayed. Snowstorm's improved traits and ease of flowering will commence to

decrease the popularity of Silversmith. Fully tolerant

### Southdown Pink

Songster

to cool 60° environment.

Snowstorm &

Nov. 5 - (10 week) Intermediate duplex disbud of Valencia size and form. Delicately shaded pink close to a true light pink carnation. Complimented with green disc centers. Wide, waxy petals. An accepted variety in Europe possessing all the needed traits for a rewarding product in the fast disbud program. Tolerates 56° minimum temperatures. Develops equally as well during the summer periods but 60° or lower is required for best color expression. Attractive Bantamum.

### Souvenir

Nov. 15 - (11 week) Intermediate dark yellow daisy with an early 11-week response. Excellent supplement to Yellow Sculpture. Vigorous and productive. In regular spray programs it achieves best spray formation when treated as a 12-week variety.

### Spangles

Dec. 5 - (13 week) Small white pompon. A late white Sunny side.

### Spellbound

Oct. 1 - (7 week) Intermediate lavender decorative. Ideal spring pot. 5-3

### Spungold &

Dec. 8 - (Y.B.) (13 week) Intermediate single. Deep lemon yellow. Very responsive in winter programs where it outproduces Yellow Galaxy. Its stocky, rigid growth, high production and good substance make it a valuable winter variety. Fine companion for Northwind.

### Staccato M

Nov. 20-(11 week) Intermediate formal pom. Lavender pink. Much like an 11-week Minstrel in form, but reliably responsive all through the winter in spray programs. Tolerates 56° minimum. Flower durability lends itself well to cloth house use. Color brightness best retained at night temperatures of 60° or below. A productive and profitable addition to the presently small group of popular 11-week pinks.







### Starbright

Nov. 1 – (9 week) Large deep lemon single. S-2

### Stardust 9

Nov. 12 – (10 week) Formal white pom of intermediate size. Establishes a larger and more shapely Keepsake form. Its smart formal form has strong consumer appeal. Productive and dependable in both regular and fast spray programs in either greenhouse or cloth house. A clean vigorous habit that rarely overcrops or delays. Tolerates 56° minimum.

### Starlight

Oct. 25 – (9 week) Large yellow daisy. Recommended in the greenhouse natural or disspray. Intolerant of extreme heat. S-1

### Statesman

Nov. 1 – (9 week) Small intense yellow pompon produced in abundance on well-formed sprays. Valuable summer greenhouse variety because of its unusual tolerance to high termperatures. Greenhouse spray programs and cloth house. A marked improvement over Sunup. Relatively more productive. A more formal flower that will not stick. Tolerates 56°.

### Sterling

Nov. 15 - (11 week) Large pure white incurve. S-2

### Stuart Ogg

Oct. 25 – (9 week) Intermediate decorative disbud. A luminous apricot pastel rarely found in the chrysanthemum color range. Becomes radiantly alive under the spectrum of incandescent lights. An English development that grows and develops into superb fast disbuds. High summer finishing temperatures affect color loss and form distortion due to some reflexing of petals. Also, rapid rate of flower development necessitates cutting early while centers are still tight. Colorful Bantamum.

#### Sultan

Nov. 22 – (11 week) Large formal decorative. Golden yellow to amber at low temperatures. Vigorous and productive. Temperature tolerance of Forty-Niner. Consistent performance at high temperatures. Disbuded sprays. Fast disbud programs and cloth house. Can be grown successfully during summer periods. S-2

#### Sunburst

Oct. 20 – (8 week) Intermediate golden yellow reflexed decorative. Vigorous and prolific. Pots. Supplement for Bonnaffon Deluxe. Tolerates 56°. S-1

### Sundial 😵

Oct. 25 – (Y.B.) (9 week) Intermediate feathered spider disbud. Deep lemon yellow. A pot plant companion for

Snow Crystal. Shorter in habit, and a little smaller in size. Always responsively uniform. Prolific flowering variety with excellent foliage. A timely reinforcement to supplement variation within pot varieties.

### Sunfire 🚱

Nov. 5 – (10 week) Medium to large single. Dark yellow. Wide horizontally flat petals are well extended and become partially tubed at their base. Retains its complimentary green-eyed disc for long periods which thusly contributes to its zestful appearance. Flowers are borne on clean, well-balanced terminal sprays coupled with rigid stemmed growth. A top performer in either fast or regular spray programs.

### Sunglow

Oct. 25 - (9 week) Large golden yellow incurve. S-2

### Sungolo

Nov. 25 – (12 week) Large lemon yellow incurve. Used in natural pot programs. S-2

### Sunnvside

Nov. 25 - (12 week) Intermediate deep lemon pompon. Fine Thanksgiving variety. S-4

### Sunray

Nov. 3 - (9 week) Small yellow anemone. Productive and responsive. Tolerates 56°. Sprays and pots. S-3

#### Sunrise

Dec. 20 - (14 week) A yellow pompon best described as a late Gold Coast. Sunrise is not sensitive to low night temperatures. S-3

#### Sunup

Oct. 28 – (9 week) Small deep yellow pompon. Withstands high temperatures and heavy cropping better than Gold Coast. Greenhouse and cloth house. S-3

### Sun Valley

Dec. 20-(14 week) Intermediate to large pompon. Intense golden yellow, enhanced by a striking green eye. Strong grower with heavy production. Requires  $60^{\circ}$  for initiation and tolerates winter  $60^{\circ}$  programs well. A week later than Corsair, shorter, heavier, and much more beautiful. Benefited by center bud removal. Constitutes a very significant advance in 14-week pompons. Late January and February crops require same warm  $60^{\circ}$  as for Corsair.

### Supreme Whitetop

Nov. 5-(10 week) Large white decorative. Whitetop sport with increased size, less reflexing and improved substance. Stem quality and production also somewhat better. Disspray procedure with high summer temperatures always improves the uniformity of response of the Whitetop family. S-4

### Surfside A

Nov. 23 - (11 week) Large single. A clear white. Extra wide petals and green discs. Petallage has substantially more substance than found in either Illini Alba or Sculpture. The added vigor incorporated in this 11week seedling makes it a splendid co-partner to such varieties as Jubilation, Crackerjack and the Galaxies to be flowered in spray programs. Tolerates 56° minimum. Best grown disspray. Valuable Bantamum.

### Susan Leighton

Nov. 6 - (10 week) Large ivory white spider. Standards and pots. Intolerant of low light intensities. Supplements Queens Lace with a much showier flower, and a more stocky plant during the summer months when grown in pots.

### Susanne Miller

Nov. 15 - (11 week) Large anemone. Deep yellow cushion. Disbuds. Norma sport. Tolerates 56°.

### Sybil

Oct. 30 - (9 week) Intermediate golden apricot daisy. Productive and durable . Has petallage and substance. versatile and brilliant color. Greenhouse spray programs. Tolerates 56°.

#### Taffeta

Nov. 15 - (11 week) A two-tone pink pompon. Greenhouse and cloth house. Best with cool finish. Excellent for April programs.

### Talisman

Oct. 20 - (8 week) Talisman bronze; intermediate daisy. Recommended in the greenhouse and cloth house. Natural cut flowers.

### Talmeda

Jan. 5 - (15 week) Intermediate white pompon. Improves Revelation. Just about the latest white pompon. Good form and substance. 5-4

Nov. 3 - (9 week) Intermediate deep pink decorative. A 9-week Masterpiece. Recommended in the greenhouse and cloth house. S-3

### Thanksgiving Pink

Nov. 23 - (11 week) Intermediate orchid pink reflex. Fast crops and standards.

#### Thelma

Nov. 15 - (11 week) Very brilliant orange scarlet pompon. Greenhouse and cloth house.

### Themesona

Nov. 1 - (Y.B.) (9 week) Medium semi-incurved ivorywhite standard. Possesses Good News substance and durability, but slightly smaller in size. Adapted especially for summer highlight, high temperature periods and intolerant of less than 60° for initiation. Vigor often surpasses that of Good News in mid-summer. Very resistant to petal burn. Recommended as a fast disbud and medium sized standard in summer programs.

### The Titan

Nov. 10 - (10 week) Large intense red anemone. Fast disbuds.

#### Thistledown

Nov. 1 - (9 week) Medium to small novel white decorative pompon. An improved Snowdrift flower. Provides a more fully double form of feathery serrated petals in addition to being a more clear white color. Also wider sprays. Natural spray programs. Becomes too tall for pot plant use. Faster, whiter Illini Snow-

### Thomas Johnson

Oct. 28-(9 week) Large decorative. Deep orchid pink. Ideally suited to fast disbud programs. Develops exceptional stretch and heavy rigid stems. Individual flowers surpass the size of Portrait. Color and petallage improved by bright days and cool nights. Dependable Bantamum.

### Thyra

Nov. 10 - (10 week) Intermediate deep layender pompon. Used as a pot disbud. S - 1

### Tiptop

Nov. 5 - (10 week) A distinctive form mutation from Whitetop. The white petals are completely tubular. Possesses fine substance and does not shatter. When cut on the green side. Tiptop is unusually attractive and has no counterpart in present pompons. Valuable in the same periods as Whitetop. Cloth house and greenhouse.

### Tobin's Yellow

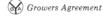
Dec. 10 - (13 week) Intermediate deep lemon semiincurve. 5-5

### Topaz

Dec. 15 - (14 week) Warm orange bronze single. Sprays. S-1



New Variety New Variety Growers Agreement & Growers Agreement



### Topflight 🛞

Oct. 20 — (8 week) Medium to small bright yellow anemone. Flowers are born in abundant masses on both terminal and compound sprays, each floret displaying well-defined cushions without reflexing ray petals. Very productive growth performs advantageously in regular and fast spray programs. Durability adapts it well to cloth house use. Tolerates 52° bud initiation temperatures and high summer temperatures for development. A needed supplement in the present shortage of 8-week yellow poms for cut flower use.

### Toronto

Oct. 10-(7 week) Intermediate orange-bronze decorative. Excitingly beautiful in the garden. Sturdy stems, prolific bloomer, and a spreading cushion type growth. Attractive spring and fall pots. Establishes new standards in the 7 week group. S-2

#### Treasure

Oct. 10 - (7 week) Small deep yellow pompon. Vigorous, upright habit. Fine cut flower growth. Outdoor cut flower and natural greenhouse programs. Cloth house.

### Trenton

Dec. 15 – (14 week) Good form and substance. An intermediate white pompon for natural flowering. S-2

### Valencia

Nov. 28 – (12 week) Large light lavender pink single. Disbud and disspray. S-3

#### Valentine

Nov. 20-(11 week) Large red disbud decorative. With one additional week pinch to shade Valentine provides fine medium sized standards or disbudded sprays of 3-5 flowers. The same treatment and period is recommended for fast disbuds. Significantly valued as an all winter pot plant especially appropriate for Christmas and Valentine's Day. A fully petalled flower plus a brighter red color excels the features of Delaware. Will initiate and develop buds at  $56^{\circ}$ . A little short but especially appealing Bantamum. S-6

### Vanguard 😵

Nov. 5 — (Y.B.) (10 week) Large incurved standard. Bright lavender pink. A vigorous Indianapolis seedling with vastly superior color retention under high temperatures. Should not be crowded, and is best suited to high light periods. It is tops in May and June standard and fast disbud programs.

### Vedova

Nov. 15 - (11 week) Extra large Valencia size, anemone disbud. Pastel shade of a lustrous lavender pink with small green-tipped cushions. Color is best ex-

pressed in a cool 60° environment. The performance, beauty, and quality of this variety establishes a new precedence either as a fastor regular disbud, disspray, or a pot variety. The combination of breaking action, rigid stems, attractive foliage, and sizeable flowers far exceeds the potential that Beautiful Lady can provide. Unusual Bantamum.

### Venoya

Nov. 22 – (11 week) Extra large lavender-pink anemone disbud. Strikingly similar in growth to Vedova, Venoya flower develops a substantially larger green-eyed cushion with greater depth, in addition to flowering 5 to 7 days later. It is equally as versatile and outstanding. Fast and regular disbud or disspray programs, and pots. Color retention on Venoya too, requires cool 60° finishes. The year-round pot plant grower will find that both Vedova and Venoya well surpass the product standards that they are now accustomed to producing during the mid winter months. Large and attractive Bantamum.

### Vesper

Nov. 10 - (10 week) Intermediate white pompon. S-1

### Vesto

Oct. 25-(9 week) A trim white button pompon for summer and early fall flowering. Best during the long day period of the year. Very high quality in natural season. Cloth house. S-2

### Vibrant

Dec. 20 - (14 week) Intermediate deep lemon decorative. Disspray. S-4

### Viscount 🏵

Nov. 10 - (Y.B.) (10 week) Large semi-anemone. Chalk white. A vigorous, productive and durable variety well suited to regular and fast spray crops. The substance improves Shasta and Alaska. It develops the vigor of Iceberg, and is the result of an objective to increase the durability and shipping quality of Shasta. Cushion development is small, cream-white in color, and at times, reverts to a daisy form. Readily classified as a practical, high temperature insensitive white anemone pom.

### Vogue

Oct. 25 – (9 week) Large pink single. Beautiful form and substance. Greenhouse sprays and cloth house. S-1

### Vulcan 🕎

Nov. 5 - (10 week) Large decorative. Crimson red. A close companion to Red Star. In fall, winter and spring pot programs, the color is a brighter more intense red. Dulls too rapidly at high temperatures. Winning growth features make it a first class pot variety to supplement Valentine, and add greatly to the Christmas season. P

### Wagonwheels



Oct. 25-(9 week) Intermediate anemone, Silvery-coral reverse color as displayed by all completely tubular petals. A novel form representing a spoked wheel in appearance. Vigorous growth habit develops tall plants abundantly supplied with spray masses of perfect florets. Provides a uniquely different cut flower pom in both fast and regular spray programs. Color is best expressed in cool finishing temperatures. Suitable outdoor cut flower in the fall for either shaded or natural flowering.

### Waikiki

Nov. 13 - (10 week) Spider. Red bronze tube. Yellow tips. Standards.

### Wedding Bells

Dec. 20 - (14 week) A small to medium white formal pompon. Purer white than Snowcrest. Uniform and productive in natural season. S-2

### Whirlwind

Nov. 5 - (10 week) Large pure white reflexed standard. Requires high summer temperatures for best response and development. Supplement for Betsy Ross. Durable with strong growth and heavy petallage. Shaggy, interesting new form. Standard programs.

### White Anemone

Nov. 5 - (10 week) Large, white anemone, disspray and disbud.

### White Chief No. 2

Oct. 20 - (Dreisbach) (8 week) White incurved standard. A selection from White Chief for improved response, vigor and flowering uniformity. Flowers with Yellow Chief. This variety is quite dis-similar and has no known relationship to White Pink Chief.

### White Doty

Nov. 1 - (9 week) Large, white pompon, disspray and disbud.

### White Enchantress

Dec. 5 - (13 week) Large white disbud and disspray anemone. Color requires high light intensity and 60° temperatures for maximum clarity. Under cooler finishes it is a smooth shell pink of great beauty. Habit and performance is the same as the original Enchantress. Cushion development is stable and uniform. Recommended for regular and fast disbud programs.

### White Frick

Nov. 20 - (11 week) Intermediate white incurve. Short habit. Tinges pink at low temperatures.

AVAILABLE APRIL 1, 1959

Whitehouse

Nov. 5-(10 week) Intermediate white anemone. Breaks vigorously and thrives best with high temperatures. Very uniform and responsive. Recommended for pot programs. A summer Little America for pots.

### White Keepsake

Oct. 25 - (9 week) Intermediate ivory pompon. Selection from Keepsake. Like White Popcorn, it is devoid of pink tinges at low temperatures. At high temperature finish, more ivory than Keepsake, Will tolerate 56°. Spray programs and cloth house.

### White Lady

Nov. 25 - (12 week) White sport of Beautiful Lady. Disbud. Short and adaptive to fall and winter pots.

### White Mary Garden

Nov. 1 - (9 week) White sport from Mary Garden. Spider. Tinges pink at low temperatures. Fast disbuds and standards.

### White Menso

Nov. 5 - (10 week) Large ivory single. S-1

### White Mistletoe

Dec. 5 - (13 week) Intermediate tall white incurve. Best results require 50° finish.

### White Norma

Nov. 15 - (11 week) Large anemone. White rays and yellow cushion. Disspray and fast disbud.

### White Peter John

Nov. 25 - (12 week) Large clear white decorative. Standards and fast disbuds. Intolerant of low temperature. Use 60° minimum for bud initiation; 55° for bud development. Sport from Peter John. Good Bantamum.

### White Pink Chief

Oct. 15 - (8 week) Intermediate pure white incurve. Selection from Pink Chief. Tolerates 56°. Responds and develops well under high temperatures. Will develop pink tinges with cool (60°) finishing temperatures. Standard and fast disbud programs.

### White Pockett

Nov. 10 - (10 week) Large white incurved exhibition.

### White Popcorn

Oct. 25 - (9 week) White sport of Popcorn. No trace of pink in flower at low temperatures. Greenhouse and cloth house. 5-5





New Variety Growers Agreement



Growers Agreement

S-2



### White Princess

Nov. 25 - (12 week) Pure white button. Sport from Princess. Hard and very durable. Requires high temperature for maximum initiation of buds. Tolerates a wide range of temperature for development. Best in high light areas. Well suited to the late cloth house and greenhouse. S-2

### White Rayonnante

Nov. 5 - (10 week) White spider. Straight tube. S-5

### White Riviera

Dec. 15 – (14 week) Intermediate ivory decorative. Equal in size, form and vigor to parent variety Riviera. Spray programs. Does not show pink tinges with low temperature finish. Must have  $60^{\circ}$  initiation and cool finish.

### White Snowdrop

Dec. 8 - (13 week) Pure white sport of Snowdrop. Does not pink. Late spray programs. S-3

### White Taffeta

Nov. 15 - (11 week) Pure white sport of Taffeta. A fine late cloth house and greenhouse pompon. Most valuable of the Taffeta group. Especially recommended for April. S-6

### Whitetop

Nov. 5 – (10 week) Intermediate chalk white decorative. Productive and dependable. Top notch white. Greenhouse and cloth house. S-8

### White Valencia

Nov. 28 – (12 week) Large white single. Requires high temperatures for bud initiation and cool finish. Dispray and disbud programs.

\$-3\$

### White Yamane

Nov. 10 - (10 week) Large disbud spider. Pure white. A west coast variety. S-2

#### Wilson's White

Nov. 1 – (9 week) Intermediate paper white incurve. Pots. S-7

### Wilson's Yellow

Nov. 1 — (9 week) Lemon yellow sport from Blanche Poitevine known in this country as Wilson's White. Semi-incurved standard. Identical in habit and vigor to original. A valuable co-partner to Wilson's White in any pot plant program.

S-4

### Wizard &

Nov. 10 - (Y.B.) (10 week) Intermediate pompon. Orangebronze. Has vigor combined with a stiff, wiry terminal spray. Improves the spray and habit of Climax and the response of Ranger. Tolerates summer high temperatures and retains its vivid orange coloration. Fine for greenhouse or cloth house.

### Woking Scarlet

Nov. 10 - (10 week) Large decorative standard. Brilliant scarlet bronze. An exciting combination of color and habit for pots. Its living color glows, and will rapidly achieve top status along with Oregon and the Delawares as standard pot varieties. Endowed with sufficient vigor to be effective with plant, shade and an 18 day delayed pinch procedure. Equally striking as a single stem pot. A close proximity to the popular Poinsettia-red. This is it!

### W. P. Snyder

Oct, 1 - (7 week) Intermediate decorative. Apricot bronze. For garden and spring pots. Requires  $60^{\circ}$  minimum temperatures. S-1

### Yellow Acclaim

Dec. 5-(13 week) Yellow sport from Acclaim. Sprays.

### Yel. Albatross

Nov. 1 - (9 week) Large incurve. Lemon-yellow sport of Albatross. Primarily a West Coast variety possessing better than average shipping qualities. Standard programs.

\$ -4\$

### Yel. Ambassador

Oct. 25 – (9 week) Intermediate light lemon yellow incurve. S-2

### Yellow Arcadia

Oct. 28 - (9 week) Intermediate lemon pompon. S-1

### Yellow Beauregard

Nov. 5 – (10 week) Intermediate pompon. Clear golden yellow at all temperatures. Selection from Orange Beauregard and identical habit. Temperature tolerance of parent variety. Especially valuable in summer greenhouse and cloth house programs. Tolerates 56°. S-7

### Yellow Betsy Ross

Nov. 5 - (10 week) Intermediate lemon yellow incurve. Exhibits same high temperature tolerance of parent variety. Shorter growth habit. Restrict flowering to under glass. Somewhat smaller in size but tightly incurved. Flowers are more solid than Betsy Ross. Durable and responsive in high temperature standard programs.

S-4

### Yellow Calumet

Oct. 15 - (8 week) Lemon yellow sport of Calumet. Intermediate pompon. Contributes Calumet flower guality and vigor to the small list of good early yellow poms. Natural outdoor cut, cloth house, spring spray programs.

### Yellow Calypso

Nov. 8 - (10 week) Large lemon yellow incurve. Very short. Exclusively a pot plant variety. Sport of Bronze Calypso. Pinch and single stem. Best results are obtained with high temperature initiation and low temperature development. Flower size comparable to Indianapolis.

### Yellow Cameo

Dec. 5 - (13 week) Intermediate lemon decorative, Vigorous and productive in natural season.

### Yellow Chattanooga

Nov. 25 - (12 week) Large light lemon incurve. Stand-

### Yellow Chief

Oct. 20 - (Dreisbach) (8 week) Lemon yellow incurve. Sport of White Chief. Short habit of growth.

### Yellow Chris, Columbus

Oct. 1 - (7 week) Sport of Chris. Columbus. Intermediate lemon yellow decorative. A proven pot plant for no light - no shade and May crops.

### Yellow Cordova

Nov. 30 - (12 week) Intermediate deep lemon pompon.

### Yellow Daisy

Nov. 1-(9 week) Intermediate lemon yellow single.

### Yellow Delaware

Nov. 8 - (10 week) Intermediate deep lemon vellow incurve sport from Delaware. Pot plant programs. The same valuable chassis in a brilliant new color. Less sensitive to low temperatures for bud initiation than Bonnaffon Deluxe for the late winter and early spring flowering period. S = 9

### Yellow Dot

Oct. 25 - (9 week) Small pompon. Two-tone with golden bronze eye.

### Yellow Doty

Nov. 1 - (9 week) Large deep bronze yellow pompon. Disbud.

### Yellow Enchantress

Dec. 5 - (13 week) Large disbud and disspray anemone. Full expression of yellow requires high light and high temperature environments. Cooler finishes yield a pleasing bright golden buff coloration. Growth habit is very similar to original parent. Grown in regular spray and fast disbud programs.

### Yellow Fortune

Dec. 1 - (12 week) Deep yellow sport of Fortune. Greenhouse and cloth house.

### Yellow Galaxy

Dec. 1 - (12 week) Sport of Galaxy. Deep lemon yellow. Fine for fall, winter and early spring programs.

### Yellow Garza

Dec. 15 - (14 week) Intermediate anemone. Lemon.

### Yellow Glory

Dec. 1- (12 week) Intermediate lemon yellow incurve. Color mutation from December Glory. Standards and fast disbuds. Very popular late standard. 5-4

### Yellow Halo

Nov. 1 - (9 week) Sport of Halo. Intermediate single. deep lemon yellow. Tolerates 56°. Greenhouse sprays. S=2

### Yellow Highbrow

Nov. 20 - (11 week) Sport of Highbrow. Intermediate golden yello w pompon identical in habit with Highbrow. Requires 60° for initiation. Excellent production. Sprays and cloth house.

### Yellow Iceberg

Nov. 5 - (10 week) Clear lemon yellow sport from Iceberg. Closely identical to parent variety. Valuable for high temperature periods. Spray programs are always benefited by early center bud removal. Fast disbuds the year around. Fine cloth house variety. Tolerates 56°. Vigorous Bantamum.

### Yellow Igloo

Nov. 10 - (10 week) Intermediate deep lemon yellow pompon. Selection from Illini Igloo with same habit and temperature tolerance. Tolerates 56°. Spray programs and cloth house.

### Yel, III. Snowdrift

Nov. 12 - (10 week) Small novelty decorative. Intense yellow sport of Illini Snowdrift. Similar to original. Petals are narrower, and more finely feathered. Slightly less vigorous during marginal lightperiods, but equally as good during its recommended period. Greenhouse spray programs. Natural spray, pinched pots.







### Yellow Ivanhoe

Nov. 1 – (9 week) Golden yellow sport from Ivanhoe. Small standard. Tolerates  $56^{\circ}$ . Fast disbuds and standards. S-3

### Yellow Lace

Nov. 1 - (9 week) Lemon yellow spider, sport of Queen's Lace. Standards, fast disbuds, and pots. S-3

### Yellow Leighton

Nov. 6-(10 week) Large spider, tube and hook. Lemon yellow sport from Susan Leighton. Standards. More rigid stems and cleaner growth than Yellow or Gold Lace. For summer pots.

### Yellow L. I. Beauty

Nov. 20 - (11 week) Large lemon anemone. Fast disbud and regular crop disspray. S-2

### Yel, Marblehead

Oct. 25 – (9 week) Medium lemon-yellow incurve. Sport of Marblehead. Recommended for standard and fast disbud programs. The Marbleheads require the high light, high temperature combination to achieve maximum stretch and flower size.

### Yellow Marketeer

Nov. 18 - (11 week) Lemon yellow sport from Marketeer. Standards and pots. S-2

### Yellow Marvel

Nov. 8 - (10 week) Large, ball-shaped incurved. Deep lemon-yellow. A highly rated English standard with optimistic qualifications. Preliminary testing indicates it to be potentially a suitable high light, high temperature, summer and early fall variety. Flowers are durable and resist high temperature burn. Yellow Marvel is favored with strong possibilities to supplement Good News and strengthen summer standard programs.

### Yellow Mefo

Nov. 10 – (10 week) Large deep lemon incurve. An important variety in natural and lighted standard programs, S-7

### Yellow Monument

Nov. 10 - (10 week) Intermediate light lemon incurve. S-4

### Yellow Nevada

Nov. 20 – (11 week) Intermediate light lemon anemone. S-2

### Yellow Pacesetter

Nov. 10 - (10 week) Lemon yellow sport from Pacesetter. Shapes up well in pot programs. Spray programsgreenhouse and cloth house. S-3

### Yellow Paramount

Nov. 23 – (11 week) Deep yellow sport of Paramount. Greenhouse programs and cloth house. Important for Thanksgiving. S-4

### Yellow Peter John

Nov. 25 - (12 week) Large light lemon yellow decorative. Intolerant of low temperature.  $60^{\circ}$  minimum for bud initiation; 55° for bud development. Sport from Peter John. Standards and fast disbuds. Fall and early winter Bantamum. S-2

### Yellow Pockett

Nov. 10 – (10 week) Large light lemon incurved exhibition. S-1

### Yellow Queen

Nov. 10 - (10 week) Large light lemon semi-incurved. Standards. S-5

### Yellow Rayonnante

Nov. 5-(10 week) Yellow spider. Sport of Rayonnante. Straight tube. Requires high light and low temperature for strong stems. S-3

### Yellow Riviera

Dec. 15 – (14 week) Intermediate yellow decorative. Initiates at  $60^{\circ}$ . Finish cool. S-1

### Yellow Sculpture

Nov. 15 – (11 week) Lemon yellow daisy. Sport of Sculpture. Greenhouse and cloth house. S-2

### Yellow Sea Gull

Nov. 1 - (9 week) Intermediate deep lemon pompon.

S=1

### Yellow Shasta

Nov. 10-(10 week) Large light lemon-yellow anemone. Tolerates  $56^{\circ}$ . Greenhouse and cloth house sprays. Fast disbuds. 3-8

### YODER MUMS - variety description and prices

### Yel. Shoesmith

Nov. 12 - (10 week) Large yellow incurve. Richly colored sport of Fred Shoesmith. Identical in most respects to parent. Slightly tighter form incurvature and less lower petal reflex. The Shoesmiths are lending new hope to larger and better greenhouse standards. Fine for pots. Cool finishing temperatures are favorable to the most rapid flower development for the Shoesmith. Pinching recommended to correct tip split.

### Yellow Silvertone

Oct. 24 - (Y.B.) (8 week) Intermediate deep lemon yellow daisy. Sport from Silvertone. Wide range of temperature tolerance. Valuable in early cloth house and high temperature greenhouse spray programs.

### Yellow Snow

Dec. 25 – (15 week) Intermediate yellow pompon. S=3

### Yellow Snowcrest

Dec. 13-(13 week) A clear yellow sport. Bright green eye. Sprays.

### Yellow Spoon

Oct. 5 - (7 week) Intermediate light yellow spoon single. For garden and pot culture. Showy and artistic.

### Yellow Taffeta

Nov. 15 - (11 week) Intermediate lemon-yellow sport from Taffeta, Depth of color varies slightly with light intensity. Maximum color is expressed in late fall and early spring flowering. Greenhouse and cloth house sprays.

### Yellowtop

Nov. 5 - (10 week) Bright lemon yellow sport from Whitetop. Same habit and vigor. Achieves maximum value in cloth house programs as a spray crop. Extensively grown in the greenhouse. S-6

### Yellow Valencia

Nov. 28 - (12 week) A sport formerly known as Golden Jane. Best vigor and form of Valencia family. Disbud and disspray.

### Yellow Waikiki

Nov. 13 - (10 week) Large spider. Clear lemon-yellow sport from Waikiki. Similar in habit. Splendid in either the regular or fast disbud programs.

### Yolanda

Nov. 25 - (12 week) Intermediate tawny bronze anemone.



Tolerates 56°. Spray crops. Yuleflame

Dec. 10 - (13 week) Intermediate chalk white single.

Yukon

Dec. 25 - (15 week) Large decorative. Deep lemon. S-3

### Zvlon 🕎

Oct. 25 - (DePetris) (9 week) Intermediate semi-incurve. Intense crimson red. Outstanding for color retention and resistance to fading. Usefully adapted to shading in fast disbud or small standard programs.

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Crest Granite State

Snowclad

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RESPONSE

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Susan Leighton Chalk Cliff

Oregon

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Little America Illini Snowdrift Fred Shoesmith

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12 WEEK RESPONSE Nov. 25 A White Lady

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Variety

Type

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Ostosa

Maestro Silverplate

Benora

WEEK RESPONSE Oct. 15 P Pilgrim Oct. 15 D Gardenia Oct. 23 D Christina

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WEEK RESPONSE

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Oct. 1 D Monolight

Oct. 5 P Astoria

Oct. 5 P Chas. Nye

Oct. 5 P Chas. Nye

Oct. 5 P Chas. Nye

Oct. 6 D Kings Ronsom

Oct. 10 D Kings Ronsom



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POTS -	- SINGLE		STEM (continued)	l (con	finued					. 9	,		STANDARDS & DISBUDS	8 D	SBU	- SQ		CUL	AR	REGULAR CROP	Δ.			
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\$ \$				×	×		× ×			×	0ct. 20	S S	Silver Sheen White Chief				.,	×			×	××		
Nov. 5 St Dk. Ind. Yellow				×	×	×					9 WEEK	RESPONSE		L		Γ			+			1		
Š				×	×	×	× × × ×	× × × ×	×	×	Oct. 25	ż	Queen					×	×	xx	××	_	×	
ż		×	_	×	×				×	×	0ct. 25	50	Marblehead					×		×		× ;		
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.0.			×	××	××			_		×	Nov.	Sp Queen's L	Queen's Lace			×	××	×	××	×	××,	× ;	××	
Nov. 10 St Golden Favourite			_	×	×	×	×××	××	×		No.		Sona						>	**	< ×	_	< >	
								_			Nov.		White Mary Garden				^	×	×	xx			×	
Nov. 18 St Tellow Marketeer Nov. 20 St Bonnaffon DeLuxe	××	x x x x	×					×	××	××	10 WEEK	RESPONSE	ONSE						H			ļ		
	BRO	NZE & RED	RED					-			No. v.		Indianapolis White	××	××	××	^ ^ × ×	× ×			×	××	××	××
O WEEK DECOONE			L					-			Nov. 5		Ind. No. 3 White	×	×	_		×	_		×	_	×	×
Oct. 28 St Mrs. Palmero		××		×	×				*	>	Nov. 5	St Giant	Giant Betsy Ross						×	××	×	_	×	
Oct, 28 St Bronze Palmero	×	xx	×	×	×			× ×		×	Nov.		White Rayonnante Whirlwind							3	,		×	
RES								-			Nov. 6	_	Susan Leighton										××	
Nov. 5 St Indianapolis Bronze							×	×		×	% × %	St Sentinel	entine						××	×	×	_	×	
\$ \$		xx	×	×	×	×		× ×	××	××	Nov.	20	Crystal Queen	×	×	×	×	×	×		>	>	× ;	}
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Nov. 20 St Calvert's Gold	× ×	XX XX						××	× >	× >	Nov. 20		Indiana Market	4					1			4	×	
		٥	٠.					-			12 WEEK Nov. 25	RESPONSE D White	RESPONSE D White Peter John	×								>	>	)
								-		T	Nov. 25	Storbott	Chattanooga	;	>	>						Υ :	Κ :	κ :
9 WEEK RESPONSE Nov. 1 St Blue Ribbon		×	×	×	×	×	xx xx	×	×	×	Dec. 1	\$ \$	December Glory Margaret Moeller	××	X X	<b>.</b>						×	××	× × ×
Nov. 5 St Indianapolis Pink				;				×		×	13 WEEK Dec, 5	RES	ONSE White Mistletoe	_								-		, ,
Nov. 10 D Pink DeLuxe	×	XX	××	××	××	`	· ·	××	XX	××	Dec. 10 Dec. 10	γ	Smith's White Imp. White Supreme											: × :
11 WEEK RESPONSE Nov. 17 St Calvert's Pink	×							×	×	×	Dec. 15 Dec. 20	Ş.	December White Snowline											< × ×
																						-		

m s t x - Recommended periods for flowering

St - Standard Sp - Spider D Decorative

A - Anemone P - Pompon S - Single

m — medium growing varieties s — short growing varieties t — tall growing varieties



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STANDARDS & DI	Type Variety		RESPONSE D Yellow Peter John	St Dk. Yel. Chattanooga St Yellow Chattanooga	St Golden Pearson	St Yellow Glory St Golden Mrs. Rose	St Golden Moeller	RESPONSE St Chalice		St Smith's Cream White	St Dauntless		RESPONSE 1 St Mayford Titan	ESPONSE	5 St Hilda Bergen 8 D Red Glitters	St Mrs. Palmero	Sp Antique	St Ivanhoe	St Detroit News	St Fred Yule	RESPONSE	St. Ind. Apricot	St Dk. Ind. Bronze	Sp Gena Harwood	Sp Mamoru	St Anaconda	St Dr. Orchid Queen	A The Titan	St Mrs. Roy	St Garnet King		
			25 25	25	25	g c	n m		,29	22	<u> </u>		24 R	X	25	28	2-			m	Ж. Ж	2 5	5	U II	2 10	ω <sup>ς</sup>	26	22	55	25		
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DISBUDS -	Jan Feb Mar Apr May Jun Jul Aug Sep Oct	\ 	RESPONSE  X Gold Lode  X Hws. Kidder	St Butterball	Blazing Gold x xx xx xx xx xx xx	ONSE Brighton Yellow	St Yells Marblehead xx	St Mecca Ambassador xx	25 St Sunglow	Yellow Lace	1 St Yel, Albatross x xx	1 St Yellow Ivanhoe xx	SPONSE Imp. Ind. Yellow	Indianapolis Yellow xx xx xx xx x x x x x x x x x x x x x	St Dk, Ind. Yellow	5 D Chairman xx xx xx xx x x x x x x x x x x x x x	Explorer	5 Sp Nightingale	Yellow Rayonnante	6 Sp Yellow Leighton	Yellow Marvel	10 St Yellow Queen	10 St Yellow Pockett	Yellow Meto xx xx xx xx xx	10 Sf Yellow Monument XX	10 St Golden Favourite	St Golden Shoesmith	Yellow Waikiki	RESPONSE	Sp Lorraine	St Friendly Rival	× × ×

A - Anemone P - Pompon S - Single St - Standard Sp - Spider D Decorative

m — medium growing varieties s — short growing varieties t — tall growing varieties

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SPRAYS - REGULAR CROP	Jan Feb Mar	WHITE																												
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41.7	Туре		RESPONSE D Avalo P Horiz P Class	0				<u></u>		م م				s s		م د		7 2	s c		Δ.	2 0		. ∢	s c	200	2 0	< <	. □	∢ ∆
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STANDARDS & DISBUDS	Type Variety		RESPONSE St Balcombe Perfection St Red Balcombe Perfection Sp Mrs, Eisenhower		5t Bronze Frick 5t Beacon		St Gladys Pearson St Oak Leaf St Muto's Crimson	RESPONSE A Imp. Bronze Supreme		WEEK RESPONSE	St Major Bowes	9 WEEK RESPONSE	Sp Mary Garden	RESPONSE St Indianapolis Pink	St Vanguard		St Orchid Queen		D Laughter D Merriment		St Pink Pockett St Pink F Shoeemith	1.7	St Aristocrat			D Thanksgiving Pink St Ed. Seidewitz	RESPONSE	D Pink Peter John D Dk. Pk. Peter John	100	St Pink Mistletoe
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			RESPONSE	Irenton Silveremith	Snowcap	Garza	White Riviera	Elegance	Wedding Bells	ONSE	Revelation	Snow	Illini Caerade	Illini Snowbound		HON.	Polaris	Lee Powell	Goldrush	Ireasure Bright Forecast		VOLUE CALLINATA	Tonflight	ello	NSE	Goldfinch	Starlight Golden Herold	Gold Coast	arly	Yellow Dot	Happiness	Yellow Arcadia	Sauterne	Gondola	Schn, Yellow	Dandy	Statesman	
	Type		RESP		10.			م م		RESPONSE	۵	0, 0				PECPONCE	S				-	KESPONSE VOLS			ĭ									יט		۵.	T o	,
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Anemone m — medium growing varieties
Pompon s — short growing varieties
Single t — tall growing varieties

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- REGU	Variety Jan Feb Mar Apr May	PINK	×	Enterprise	Elizabeth Hood	Accolade xx	Mirth	Karolyn Yosick			Keveille xx x	Rose Gaiety xx x	×××××	Pink Dot	Gail	Betty Rose	Pinkchip	Darkchip	Dk. Pink Buckingham	Lillian Doty	XX XX XX	***	××××	Portrait xx xx xx	Pink Portrait	Dark Bulkeley	Criterion	Bonnie xx xx xx xx xx	Pennant xx xx xx xx xx	Di Di Dandan	Salmon Pandora		Scintillation	Linda Lou	Dk, Linda Lou	Macteriace x xx	piece	××
- REGU	Jan Feb Mar Apr May	PINK	RESPONSE 5 S Mayfair	P Enterprise	5 P Elizabeth Hood	P Jewell	S Mirth	20	S		P Reveille	S Rose Gaiety	S Vogue	P Pink Dot	P Gail	A Betty Rose	Pinkchip	Darkchip	Dk. Pink Buckingham	P Lillian Doty	U lempo	KENPONNE S Porisionne	S Delight xx xx	P Portrait	P Pink Portrait	Dark Bulkalan	D Criterion	P Bonnie xx xx xx xx	Pennant xx xx xx xx xx	Di Di Dandan	10 D Salmon Pandora		Scintillation	Linda Lou	××	Macteriace x xx	P Rose Masterpiece	A Memorial
- REGU	Variety Jan Feb Mar Apr May	PINK	×	P Enterprise	5 P Elizabeth Hood	P Jewell	S Mirth	20	S	RESPONSE	Keveille xx x	S Rose Gaiety	S Vogue	Pink Dot	P Gail	Betty Rose	1 D Pinkchip	D Darkchip	Dk. Pink Buckingham	P Lillian Doty	U lempo	KENPONNE S Porisionne	××××	P Portrait	8 P Pink Portrait	Dark Bulkalan	8 D Criterion	10 P Bonnie xx xx xx xx xx	10 P Pennant	Di Di Dandan	22	10	10 P Scintillation	10 A Linda Lou	10 A Dk. Linda Lou	Macteriace x xx	12 P Rose Masterpiece	* * *

A - Anemone P - Pompon S - Single

m — medium growing varieties s — short growing varieties t — tall growing varieties



SPRAYS -	REGU	LAR CROP (continued)	uoo) c	tinued						SIG	DISBUDS	ı.	FAST CROP (continued)	CRO	ق م	ontinu	(pai					
Natural Type Variety	Jan Feb Mai	Mar Apr N	May Jun	la la	Aug	Sep 0	Oct N	Nov Dec	Natural	Type Variety		Jan F	Feb Mar Apr	A A	r May	Jun /	120	Aug	Sep	0 ct	Š.	Dec
	PINK (conti	continued)											YELLOW	M								
K RESF 5 D	×								8 WEEK R	WEEK RESPONSE Oct. 15 D Harvest Golden				×	×	×	×			×	×	
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	WHITE								,	Sp Gold Lace St Yellow Ivanhoe		×	××	××	××	××	××	××	× ×	××	××	×
8 WEEK RESPONSE Oct. 15 St White Pink Chief		_	×	×	×	×			10 WEEK	15			3	$\vdash$	;	;	;	3	3	;	3	;
9 WEEK RESPONSE				1		+			No. 5	St Indianapolis Yellow		. x	XX	××		X X	××	××	××	X X	X	××
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Nov. 5 St Ind. No. 3 White	××			×	××				Nov. 15	K RESPONSE 5 D Illini Goldilocks										×	>	
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ţ,	×	×					×		Nov. 25	St Yellow Glory		. ×								×	××,	×
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Nov. 25 U White Peter John	× ?	3					× ;	×				BRO	BRONZE	& RED								
	×	K K							8 WEEK R	RESPONSE												
Dec. 1 A Illini Glacier Dec. 1 St December Glory	××	×				_	××		000	D Amber Bright				×		××	×	×	×	×	×	
13 WEEK RESPONSE						-			9 WEEK	١ō				+	×	×	1	1				
Uec. 5 A White Enchantress		1		1		1		××	Oct. 24	P Resolute				×		×				×		
15 WEEK RESPONSE Jan. 5 D Illini Cascade	××					-		×	0ct, 25 0ct, 25	D Dorothy Hyde D Stuart Ogg			×	× ×	××	××	×	×	××	××	×	

A – Anemone
P – Pompon
S – Single St - Standard Sp - Spider Decorative

m — medium growing varieties s — short growing varieties t — tall growing varieties

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0	Variety		RESPONSE (continued) A Venoya D Thanksgiving Pink St Ed, Seidewitz		D Pink Peter John D Dk. Pk. Peter John	Orchid Valencia Empress	ONSE Enchantress Ok. Enchantress							Keepsake White Keepsake						Supreme Whitetop		_			drift		5		
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m s t x - Recommended periods for flowering

A - Anemone P - Pompon S - Single St - Standard Sp - Spider D Decorative

m - medium growing varieties s - short growing varieties t - tall growing varieties

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SPRAYS	Type Variety		7		S Northwind		RESPONSE	D Silversmith	15 WEEK RESPONSE	9000000	Ι Δ.	A Topflight S Yellow Silvertone	9 WEEK RESPONSE	S Happiness	Y Vellow Hala			5 Brilliancy	RESPONSE P Goldton	D Yellowtop	S Aztec		P Yellow Beaureagrd					A Cream Shasta P Yellow Jaloo		A Fanfare	RESPONSE	S Souvenir P Yellow Taffeta		Golden Chord	P Gold Ball	
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St - Standard Sp - Spider D Decorative

A - Anemone P - Pompon S - Single

m — medium growing varieties s — short growing varieties f — tall growing varieties



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SPRAYS - FA	Variety	BRONZ	PONSE Christmas Star	ONSE	Bronze Alvoda	Poinsettia		TONO.	Accolade	Mirth	ONSE	Pinkette	Rose Galety	Bluechip	Pinkchip	Darkchip	Handsome	embo	PONSE	Parisienne	Designs	Pink Portrait	Profile	Bonnie	Pennant	Illini Accent	Dk, Pk, Pandora
SPRAYS - FA	Jan	BRONZ	RESPONSE S Christmas Star	RESPONSE	D Bronze Alvoda	s vs		DECEDONCE	D Accolade	S	RESPONSE		S Rose Galety	D Bluechip			D Handsome	C lembo	RESPONSE	S Parisienne	S Cerigni	P Pink Portrait	P Profile	۵.	۵	۵	0
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St. Standard A. Anemone m. medium growing varieties.
Sp. Spider P. Pompon s. short growing varieties.
D. Decorative S. Single t. tall growing varieties.



For medium growing varieties use this schedule exactly as given.

2. For shorter growing varieties adjust this schedule by planting one week earlier and pinching one week earlier than stipulated. Shading date remains the same, This provides for the required one long day week which follows the pinch.

3. For tall growing varieties adjust this schedule by planting one week later and pinching one week later than stipulated. Shading date remains the same.

4. For single stem pots plant and shade same day. Duration of the crop is approximately the same as the response of the variety

Γ	6													
Flower	Apr. 13, 1959	Apr. 20		Apr. 27	May 4	May 11		May 18	May 25		- June	June 8	June 15	
Start	Mar. 16 Mar. 23 No	Mar. 16	Mar. 30	Mar. 16 Mar. 23 Mar. 30 Apr. 6	Mar. 16 Mar. 23 Mar. 30 Apr. 6	Mar. 23 Mar. 23	Apr. 6 Apr. 13	Mar. 16 Mar. 23 Mar. 30	Apr. 6 Apr. 13 Mar. 16 Mar. 23	Mar. 30 Apr. 6 Apr. 13	Mar. 23 Mar. 30 Apr. 6 Apr. 13	Mar. 23 Mar. 30 Apr. 6 Apr. 13 Apr. 20	Mar. 30 Apr. 6 Apr. 13	Apr. 27
Pinch	Jan. 26 Feb. 2 Feb. 9	Feb. 16	Feb. 23	Feb. 9 Feb. 16 Feb. 23 Mar. 2	Feb. 16 Feb. 23 Mar. 2 Mar. 9	Mar. 2 Mar. 9	Mar. 16 Mar. 23	Mar. 2 Mar. 9 Mar. 16	Mar. 23 Mar. 30 Mar. 9	Mar. 23 Mar. 30 Apr. 6	Mar. 23 Mar. 30 Apr. 6 Apr. 13	Mar. 23 Mar. 30 Apr. 6 Apr. 13 Apr. 20	Mar. 30 Apr. 6 Apr. 13	Apr. 27
sonse Plant Lighting Pinch	Jan. 5 - Jan. 26 Jan. 12 - Feb. 2 Jan. 19 - Feb. 9	26 - Feb.	26 - Feb. 9 - Feb.	Jan. 19 – Feb. 9 Jan. 26 – Feb. 16 Feb. 9 – Feb. 23 Feb. 16 – Mar. 2	Feb. 2 - Feb. 16 Feb. 9 - Feb. 23 Feb. 16 - Mar. 2 Feb. 23 - Mar. 9	9 - Feb. 16 - Mar. 23 - Mar.	~~	Feb. 16 – Mar. 2 Feb. 23 – Mar. 9 Mar. 2 – Mar. 16	9 - Mar. 23 16 - Mar. 30 23 - Mar. 9 2 - Mar. 16	9 - Mar. 23 16 - Mar. 30 23 - Apr. 6	Mar. 2 – Mar. 10 Mar. 9 – Mar. 23 Mar. 16 – Mar. 30 Mar. 23 – Apr. 6 Apr. 6 – Apr. 13	Mar. 9 — Mar. 23 Mar. 16 — Mar. 30 Mar. 23 — Apr. 6 Apr. 6 — Apr. 13 Apr. 13 — Apr. 20	Mar. 16 – Mar. 30 Mar. 23 – Apr. 6 Apr. 6 – Apr. 13	20 - Apr.
Plant Date	Jan. 5, 1959 Jan. 12 Jan. 19	Jan. 26 Jan. 12 Ion. 19	Jan. 26 Feb. 9	Jan. 19 Jan. 26 Feb. 9 Feb. 16	Feb. 2 Feb. 9 Feb. 16	Feb. 9 Feb. 16 Feb. 23	Mar. 2 Mar. 9	Feb. 16 Feb. 23 Mar. 2	Mar. 9 Mar. 16 Feb. 23 Mar. 2	Mar. 9 Mar. 16 Mar. 23	Mar. 9 Mar. 16 Mar. 23 Apr. 6	Mar. 9 Mar. 16 Mar. 23 Apr. 6 Apr. 13	Mar. 16 Mar. 23 Apr. 6 Apr. 13	Apr. 20
Response	11 Week 10 9	11 Week	20.00	10 Week 9 9	11 Week 10 9	11 Week 10 9	7	11 Week 10 9	7 11 Week 10	9 7 7 11 W. J. L.	10 9 8 7 7	11 Week 10 9 8	11 Week 10 9	7
Flower	Jan 5, 1959	Jan. 12	Jan. 19	Jan. 26	Feb. 2			Feb. 23	Mar. 2, 1959	Mar <sub>e</sub> 9	Mar. 16	Mar. 23	Mar, 50	Apr. 6
Start	222	°°°°	222	2 2 2 2	222	2 2 2	° °	0 0 0 Z Z Z	° ° ° ° °	0 0 0 0 Z Z Z Z	2222	2 2 2 2 z	0 0 0 0 Z Z Z Z	0 0 0 0 Z Z Z Z
Pinch	Oct. 20 Oct. 27 Nov. 3	Oct. 27 Nov. 3 Nov. 10	Nov. 300,000	Nov. 10 Nov. 17 Nov. 24	Nov. 17 Nov. 24 Dec. 1	Dec. 1 Dec. 8 Dec. 1	Dec. 8 Dec. 15	Dec. 8 Dec. 15 Dec. 22	Dec. 15 Dec. 22 Dec. 29 Jan. 5	Dec. 22 Dec. 29 Jan. 5	Dec. 29 Jan. 5 Jan. 12 Jan. 19	Jan. 5 Jan. 12 Jan. 19 Jan. 26	Jan. 12 Jan. 26 Feb. 2	Jan. 19 Jan. 26 Feb. 2 Feb. 9
Light Peri	Oct. 6 - Oct. 20 Oct. 6 - Oct. 27 Oct. 13 - Nov. 3	Oct. 6 - Oct. 27 Oct. 13 - Nov. 3 Oct. 20 - Nov. 10	1.1	20 - 27 - 3	33 33	57 5	24	24 -	Nov. 24 – Dec. 15 Dec. 1 – Dec. 22 Dec. 8 – Dec. 29 Dec. 15 – Jan. 5	Dec. 1 — Dec. 22 Dec. 8 — Dec. 29 Dec. 15 — Jan 5 Dec. 27 — Jan 12	8 15 22 29	15 - 22 - 22 - 529 - 5		Dec. 29 – Jan. 19 Jan. 5 – Jan. 26 Jan. 12 – Feb. 2 Jan. 19 – Feb. 9
	Oct. 6, 1958 Oct. 6 Oct. 13	Oct. 6 Oct. 13 Oct. 20	Oct. 13 Oct. 20		Oct. 27 Nov. 3 Nov. 10	No. 10	Nov. 17 Nov. 24	Nov. 24 Nov. 24 Dec. 1	Nov. 24, Dec. 1 Dec. 8 Dec. 15	Dec. 1 Dec. 8 Dec. 15	Dec. 8 Dec. 15 Dec. 22 Dec. 29	Dec. 15 Dec. 22 Dec. 29 Jan. 5, 1959	Jec. 29 Jan. 5 Jan. 12	Dec. 29 Jan. 5 Jan. 12 Jan. 19
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## POT PLANT SCHEDULE (continued) (40° - 50° NORTH LATITUDE)



·															
Flower	Sept. 21, 1959 Sept. 28		ro.	12		56	2	6	91	. 23	30	. 7	14	. 21	. 28
ш	Sept	Sept.	0ct.	Oct.		0ct.	, o Z	× 0 ×	× 0 × 0	, o X	No × ×	Dec	Dec	Dec.	Dec.
+ 0	3720			337	271	Aug. 10 Aug. 17 Aug. 24 Aug. 31	Aug. 17 Aug. 24	Aug. 24 Aug. 31 No	Aug. 31 Sept. 7 No	Sept. 7 No No	Sept. 14 No No	~ ° ° °	2 ° ° °	° ° °	222
		July 13 July 20 July 27 Aug. 3 Aug. 10	July 20 July 27 Aug. 3 Aug. 10 Aug. 17	Aug. 10 Aug. 10 Aug. 17	Aug. 17 Aug. 24	Aug. 10 Aug. 17 Aug. 24 Aug. 31	Aug. 17 Aug. 24 Aug. 31	Aug. 24 Aug. 31 Sept. 7	Aug. 31 Sept. 7 Sept. 14		Sept. 14 Sept. 21 Sept. 28	Sept. 21 Sept. 28 Oct. 5	Sept. 28 Oct. 5 Oct. 12	0ct. 5 0ct. 12 0ct. 19	0ct. 12 0ct. 19 0ct. 26
Lighting Period	No No No No July 27 — Aug. 3	Νο Νο Νο July 27 — Αωg. 3 Aug. 3 — Aug. 10	No No No Aug. 3 — Aug. 10 Aug. 3 — Aug. 17	No No Aug. 3 - Aug. 10 Aug. 3 - Aug. 17	No Aug. 3 — Aug. 17 Aug. 10 — Aug. 24	No Aug. 10 - Aug. 17 Aug. 10 - Aug. 24 Aug. 17 - Aug. 31	No Aug. 10 - Aug. 24 Aug. 17 - Aug. 31	Aug. 17 - Aug. 24 Aug. 17 - Aug. 31 Aug. 24 - Sept. 7	17 - 24 - 31 -	Aug. 24 - Sept. 7 Aug. 31 - Sept. 14 Sept. 7 - Sept. 21	Aug. 31 - Sept. 14 Sept. 7 - Sept. 21 Sept. 14 - Sept. 28	Sept. 7 - Sept. 21 Sept. 14 - Sept. 28 Sept. 21 - Oct. 5	Sept. 14 - Sept. 28 Sept. 21 - Oct. 5 Sept. 28 - Oct. 12	Sept. 21 - Oct. 5 Sept. 28 - Oct. 12 Oct. 5 - Oct. 19	Sept. 28 - Oct. 12 Oct. 5 - Oct. 19 Oct. 5 - Oct. 26
1 = 91	June 29, 1959 July 6 July 13 July 20 July 27	July 6 July 13 July 20 July 27 Aug. 3	July 13 July 20 July 27 Aug. 3 Aug. 3	July 20 July 27 Aug. 3 Aug. 3	Aug. 3 Aug. 3 Aug. 10	Aug. 3 Aug. 3 Aug. 10 Aug. 17	Aug. 3 Aug. 10 Aug. 17	Aug. 10 Aug. 17 Aug. 24	Aug. 17 Aug. 24 Aug. 31	Aug. 24 Aug. 31 Sept. 7	Aug. 31 Sept. 7 Sept. 14	Sept. 7 Sept. 14 Sept. 21	Sept. 14 Sept. 21 Sept. 28	Sept. 21 Sept. 28 Oct. 5	Sept. 28 Oct. 5 Oct. 5
Response Group	11 Week 10 9 8	11 Week 10 9 8 8 7 7 11 Week 10 9 8		11 Week	10 8 8	11 Week 10 9 8	11 Week 10 9	11 Week 10 9	11 Week 10 9	11 Week 10 9	11 Week 10 9	11 Week 10 9	11 Week 10 9	11 Week 10 9	11 Week 10 9
	1959	* Q##(\$(11 * 1) .Q #F)										Bre 10, 22		24128 - 73	
o we	June 22, 1 June 29	July 6	July 13	July 20	July 27	Aug. 3	Aug. 10	V., 2, 17	, sport	Aug. 24	Aug. 31	Sept. 7		Sept. 14	
Start Shade	Apr. 6 Apr. 13 Apr. 20 Apr. 27 Apr. 13	Apr. 20 Apr. 27 May 4 Apr. 20 Apr. 20	May 4 May 11 Apr. 27 May 4 May 11	May 18 May 1 May 11 May 18	May 11 May 18 May 18 May 25	May 18 May 25	June 8 May 25	June 8 June 15	June 8 June 15 June 22	June 8 June 15 June 22	June 15 June 22	June 29 July 6 June 22	June 29 July 6 July 13	June 29 July 6	July 20 July 27 July 27
Pinch	Apr. 6 Apr. 13 Apr. 27 Apr. 13	Apr. 20 Apr. 27 May 4 Apr. 20	May 4 May 11 Apr. 27 May 4 May 11	May 18 May 11 May 18	May 11 May 18 May 25	May 18 May 25	June 8 May 25	June 8 June 15	June 1 June 15 June 22	June 8 June 15 June 22	June 15 June 22	July 6 June 22	July 6 July 13 July 13	June 29 July 6	July 20 July 27
Lighting Period	30 - Apr. 6 - Apr. 13 - Apr. 20 - Apr. 6 - Apr.	13 - Apr. 20 - Apr. 27 - May 13 - Apr. 20 - Apr.	Apr. 27 - May 4 May 4 - May 11 Apr. 20 - Apr. 27 Apr. 27 - May 4 May 4 - May 11	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	2 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	2 2 2 2	222	2 2 2 2 2 2 2 2	0 0 0 Z Z Z Z	0 0 0 0 X	2 ° ° 2	2222 2	2 22	No No July 20 - July 27
		Apr. 13 Apr. 20 Apr. 27 Apr. 13	Apr. 27 May 4 Apr. 20 Apr. 27 May 4	Apr. 27 May 4 May 11	May 18 May 11 May 11	May 11 May 18	May 18	June 1 June 8	May 25 June 1 June 8 June 15	June 1 June 8 June 15	June 22 June 8 June 15	June 29 June 15	June 22 June 29 July 6	June 22 June 29	July 6 July 13 July 20
Response Group	11 Week 10 9 8 8	10 9 8 11 Week	11 Week	11 Week	11 Week	11 Week	8 11 Week		10 Week 9 9 9	11 Week 10 9	11 Week	9 8 11 Week	.00 & p	11 Week	0.80



## REGULAR, SINGLE STEM AND FAST CROP SCHEDULES (40° – 50° NORTH LATITUDE)

1. For Regular Grops plant on dates given for Plant Regular Crop; pinch on dates given for Pinch Regular Grop. Average height is 40-50 inches.

es given for Finch Kegular Crop. Average height is 40-30 inches.

For Single Siem Crops plant on dates given for Pinch Regular Crop. Do

2

not pinch. Average height is 35-45 inches.

3. For Fast Grops plant on dates given for Pinch Regular Crop; pinch on dates given for Pinch Fast Crop. Average height is 30-40 inches.

Flower	Mar. 9, 1959	Mar, 16	Mar. 23	Mar. 30	Apr. 6	Apr. 13	Apr. 20	Apr. 27	May 4	May 11	May 18	May 25	June 1
Start	2222	0 0 0 0 Z Z Z Z	222	222	Mar. 9 No oN	Mar. 9 Mar. 16 No	Mar. 16 Mar. 23 No	Mar. 16 Mar. 23 Mar. 30	Mar. 23 Mar. 30	Mar. 23 Mar. 30 Apr. 6	Mar. 23 Mar. 30 Apr. 6	Mar. 23 Mar. 30 Apr. 6	Mar. 23 Mar. 30 Apr. 6
Lighting Period	Oct. 13 _Dec. 8 Oct. 13 _Dec. 15 Oct. 13 _Dec. 22 Oct. 13 _Dec. 29	Oct. 20 -Dec. 15 Oct. 20 -Dec. 22 Oct. 20 -Dec. 29 Oct. 20 -Jan. 5	Oct. 27 -Dec. 29 Oct. 27 -Jan. 5 Oct. 27 -Jan. 12	Nov. 10 - Jan. 5 Nov. 10 - Jan. 12 Nov. 10 - Jan. 19	Nov. 17 - Jan. 12 Nov. 17 - Jan. 19 Nov. 17 - Jan. 26	Nov. 24 - Jan. 19 Nov. 24 - Jan. 26 Nov. 24 - Feb. 2	Dec. 1 -Feb. 2 Dec. 1 -Feb. 9 Dec. 1 -Feb. 16	Dec. 15_Feb. 9 Dec. 15_Feb. 16 Dec. 15_Feb. 23	Dec. 22 - Feb. 23 Dec. 22 - Mar. 2 Dec. 22 - Mar. 9	Dec. 29 -Mar. 2 Dec. 29 -Mar. 9 Dec. 29 -Mar. 16	Jan. 5 -Mar. 9 Jan. 5 -Mar. 16 Jan. 5 -Mar. 23	Jan. 19 -Mar. 16 Jan. 19 -Mar. 23 Jan. 19 -Mar. 30	Feb. 2 -Mar. 23 Feb. 2 -Mar. 30 Feb. 2 -Apr. 6
Pinch Fast Crop	Nov. 24	Dec. 8	Dec. 15	Dec. 29	Jan. 5	Jan. 19	Jan. 26	Feb. 9	Feb. 16	Feb. 23	Feb. 23	Mar. 9	Mar. 16
Pinch Regular Crop	Nov. 3	Nov. 10	Nov. 17	Dec. 1	Dec. 8	Dec. 22	Dec. 29	Jan. 12	Jan. 19	Jan. 26	Feb. 2	Feb. 16	Feb. 23
Plant Regular Crop	Oct. 13 1958	Oct. 20	0ct. 27	Nov. 10	Nov. 17	Nov. 24	Dec. 1	Dec. 15	Dec. 22	Dec. 29	Jan. 5, 1959	Jan. 19	Feb. 2
Response	13 Week 12 11 10	13 Week 12 11	12 Week 11 10	12 Week 11 10	12 Week 11 10	12 Week 11 10	-	11 Week 10 9	10 Week 9	-	10 Week 9	10 Week 9	10 Week 9
Flower	Jan. 5, 1959	Jan. 12	Jan. 19	Art. all	Jan. 26	Fab. 2		Feb. 9		Feb. 16, 1959	Feb. 23	*	Mar. 2
Shart	22222	2222	ê ê ê	2222	222	222	2222	222	0 ° °	° ° ° °	° 2° 2	°° °°	2 2 2 2 2 2 2 2 2 2
Lighting Period	Sept. 1 — Sept. 29 Aug. 25 — Oct. 6 Aug. 18 — Oct. 13 Aug. 11 — Oct. 20 Aug. 11 — Oct. 27	Sept. 1 -Oct. 6 Aug. 25 -Oct. 13 Aug. 18 -Oct. 20 Aug. 18 -Oct. 27	Aug. 18—Nov. 3 Sept. 1—Oct. 13	Aug. 25 – Oct. 27 Aug. 25 – Oct. 27 Aug. 25 – Nov. 3 Aug. 25 – Nov. 10	Sept. 1 -0ct. 20 Sept. 1 -0ct. 27 Sept. 1 -Nov. 3	Sept. 1 -Nov. 10 Sept. 1 -Nov. 17 Sept. 8 -Oct. 27	Sept. 8 -Nov. 3 Sept. 8 -Nov. 10 Sept. 8 -Nov. 17	Sept. 15-Nov. 3 Sept. 15-Nov. 10	Sept. 15-Nov. 24 Sept. 15-Dec. 1	Sept. 22-Nov. 10 Sept. 22-Nov. 17 Sept. 22-Nov. 24 Sept. 22-Dec. 1	Sept. 22-Dec. 8 Sept. 29-Nov. 17 Sept. 29-Nov. 24	Sept. 29-Dec. 1 Sept. 29-Dec. 8 Sept. 29-Dec. 15	0ct. 6 -Nov. 24 0ct. 6 -Dec. 1 0ct. 6 -Dec. 8 0ct. 6 -Dec. 15 0ct. 6 -Dec. 22
Pinch Fast Crop	Sept. 22	Sept. 29	Oct. 6		Oct. 13	Oct. 20		Oct. 27		Nov. 3	Nov. 10		Nov. 17
Pinch Regular Crop	Sept. 1	Sept. 8	Sept. 15		Sept. 22	Sept. 29		Oct. 6		Oct. 13	Oct. 20		0ct. 27
Plant Regular Crop	Aug. 11, 1958	Aug. 18	Aug. 25		Sept. 1	Sept. 8	,	Sept. 15		Sept. 22, 1958	Sept. 29		Oct. 6
-	14 Week 13 12 11	14 Week 13 12 11	10 14 Week	9172	14 Week 13	_	12 13	_		14 Week 13 12 11		11 0	14 Week 13 12 11

# REGULAR, SINGLE STEM AND FAST CROP SCHEDULES (continued)

	Flower	Oct. 12, 1959	Oct. 19		Oct. 26	Nov. 2	Nov. 9	Nov. 16		Nov. 23	Nov. 30		1 Dec. 7		Dec. 14	Dec. 21		Dec. 28	
	Start Shade	July 27 Aug. 3 Aug. 10	July 27 Aug. 3	Aug. 10	Aug. 10 Aug. 17 Aug. 17	Aug. 3 Aug. 10 Aug. 17	Aug. 10 Aug. 17	Aug. 31	Aug. 24 Aug. 24 Aug. 31 Sept. 7	Aug. 17 Aug. 24 Aug. 31	Sept. 7 No	Sept. 7 No	S A		Sept.		222	22222	
	Lighting Period	No No July 27 —Aug. 10	No So	Aug. 3 -Aug. 10 July 27 -Aug. 17	No No Aug. 3 - Aug. 17		3 3	Aug. 3 - Aug. 21	Aug. 17 – Aug. 24 Aug. 10 – Aug. 31 Aug. 3 – Sept. 7	No No Aug. 17 – Aug. 31	Aug. 10 Sept. 7 Aug. 3 Sept. 14	Aug. 24 - Aug. 31 Aug. 17 - Sept. 7 Aug. 10 - Sept. 14	No Aug. 24—Sept. 7	Aug. 3 -Sept. 28	Aug. 31-Sept. 7 Aug. 24-Sept. 14 Aug. 17-Sept. 21 Aug. 10-Sept. 28	Aug. 31 - Sept. 14 Aug. 24 - Sept. 21	Aug. 17 - Sept. 28 Aug. 10 - Oct. 5 Aug. 3 - Oct. 12	Aug. 31 -Sept. 21 Aug. 24 -Sept. 28 Aug. 17 -Oct. 5 Aug. 10 -Oct. 12 Aug. 3 -Oct. 19	
	Pinch Fast Crop	July 20	July 20		July 27	Aug. 3	Aug. 3	Aug. 10		Aug. 17	Aug. 24		Aug. 24		Sept. 7	Sept. 7		Sept. 14	
	Pinch Regular Crop	July 6	July 6		July 13	July 20	July 20	July 27		Aug. 3	Aug. 10		Aug. 10		Aug. 17	Aug. 17		Aug. 24	
	Plant Regular Crop	June 22, 1959	June 22		June 29	July 6	July 6	July 13		July 20	July 27		July 27		Aug. 3	Aug. 3		Aug. 10	
	Response	Week Week			12 Week 11 10	Week		10 14 Week	1123	14 Week 13	10 10 Week	2223	14 Week	2.00	13 Week	14 Week	272	14 Week 13 12 11	
	Flower	June 8, 1959	June 15	June 22	June 29	July 6	July 13	July 20	July 27	Aug. 3	Aug. 10	Aug. 17	Aug. 24	Aug. 31	Sept. 7	Sept. 14	Sept. 21	Sept. 28	Oct. 5
	Start Shade	Mar. 30 Apr. 6 Apr. 13	Apr. 6 Apr. 13 Apr. 20	Apr. 13 Apr. 20	Apr. 27 Apr. 20 Apr. 27	Apr. 27 May 4 May 11	May 4 May 11 May 18	May 11 May 18 May 25	May 18 May 25 June 1	May 25 June 1 June 8	June 1 June 8	June 8 June 15 June 22	June 15 June 22 June 29	June 22 June 29 July 6	June 29 July 6 July 13	July 6 July 13 July 20	July 6 July 13 July 20	July 20 July 20 July 27 Aug. 3	July 20
	Lighting Period	Feb. 16 -Mar. 30 Feb. 16 -Apr. 6 Feb. 16 -Apr. 13	Feb. 23 - Apr. 6 Feb. 23 - Apr. 13 Feb. 23 - Apr. 20	Mar. 2 -Apr. 13 Mar. 2 -Apr. 20	Mar. 2 -Apr. 27 Mar. 9 -Apr. 20 Mar. 9 -Apr. 27	Mar. 9 -May 4  Mar. 16 -Apr. 27  Mar. 16 -May 4  Mar. 16 -May 11	Mar. 23 -May 4 Mar. 23 -May 11 Mar. 23 -May 18	Mar. 30 -May 4 Mar. 30 -May 11 Mar. 30 -May 18	Apr. 6 -May 4 Apr. 6 -May 11 Apr. 6 -May 18	Apr. 13 -May 4 Apr. 13 -May 11 Apr. 13 -May 18	Apr. 20 -May 4 Apr. 20 -May 11 Apr. 20 -May 18	Apr. 27 – May 4 Apr. 27 – May 11 Apr. 27 – May 18	No No May 11 - May 18	° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	0 0 0	° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	222	2 2 2 2 2	ž
- Andrews	Pinch Fast Crop	Mar. 30	Apr. 6	Apr. 13	Apr. 20	Apr. 27	May 4	May 11	May 18	May 18	May 25	June 1	June 8	June 15	June 22	June 29	July 6	July 6	July 13
	Pinch Regular Crop	Mar. 9	Mar. 16	Mar. 23	Mar. 30	Apr. 6	Apr. 13	Apr. 20	Apr. 27	May 4	*May 11	May 18	May 25	June 1	June 8	June 15	June 22	June 22	June 29
	Plant Regular Crop	Feb. 16, 1959	Feb. 23	Mar. 2	Mar. 9	Mar. 16	Mar. 23	Mar. 30	Apr. 6	Apr. 13	Apr. 20	Apr. 27	May 11	May 18	May 25	June 1	June 8	June 8	June 15
	Response	10 Week 9 8	10 Week 9	10 Week 9	10 Week	10 Week 9 9	10 Week 9	10 Week 9	10 Week 9	10 Week 9	10 Week 9	10 Week 9	10 Week 9	10 Week 9	10 Week 9 8	10 Week 9	-		+-

### BANTAMUMS

The "Bantamum" is a product resulting from a continuing effort to produce highly acceptable chrysanthemum flowers in smaller, more practical home-sized units.

They essentially provide short-stemmed disbuds that are produced in multiple units of 3 to 8 individual flowers on a high pinched plant. Using the entire plant as a sales unit, average crop height can range from 15" to 22".

### REQUIREMENTS OF, AND HOW TO GROW "BANTAMUMS"

1. **Soil** — An open well-aeriated soil that both drains and is of such physical property to retain necessary amounts of moisture for plant growth, is basic. Steam sterilizing the soil before each crop is routine procedure for most regular mum crop programs, and the importance of steaming the soil for each 'Bantamum' crop is just as essential.

The success of a "Bantamum" crop relies upon a fast take-off and rapid establishment of the rooted cuttings. The right type of soil media along with the right methods of preparation can well be the attributing factors for phenomenal success with the crop.

- 2. Spacing Summer flowering 6" x 6"; Spring and Fall 6" x 7"; Early and late winter 6" x 8".
- 3. Planting Shallow planting contributes to good aeriation and rapid root development.
- 4. Short Days Are applied immediately at the time of planting. During the Season of the year when continuous daylight hours are twelve or more, black cloth shade will have to be applied nightly to supply no less than twelve continuous dark hours for all varieties through the 11-week response group. Shade until buds have been selected and are well filled out. It is not necessary to shade each crop to full flower maturity.
- 5. Watering and Feeding A continuous supply of moisture as well as a constant available supply of nutrients makes for the most rapid growth. Seven ounces of a water soluble 20-20-20 analysis fertilizer per 100 gallon water is an excellent solution to water the newly planted cuttings in with as well as using it whenever the plants need moisture. Feeding is then constant and nutrients are always available in safe and small amounts. This method of constant feeding is suggested for spring, summer, and fall flowering crops. It eliminates pre-planting application of fertilizer and the possibility of building early, excessive salt concentrations.
- 6. Temperature During periods when house temperatures are controllable, optimum "Bantamum" temperatures are 65° F. for the first three weeks and then 60° F. to finish of crop.

- 7. **Pinching** The plants are pinched 18-days after planting. *Pinch high, and pinch soft!* A hard pinch will delay crop response, since buds are already initiated and partially developed in the upper leaf axils at the time of the pinch.
- 8. Supporting Headroom requirements are at a minimum. Crop can be grown without any wire or string support whatsoever.
- 9. **Disbudding** Much like a pinched pot plant, no pruning of breaks is required, but each growing break is permitted only one terminal bud to develop. All remaining laterals should be removed, the earlier the better. The Indianapolis varieties are an exception to the rule. Overcropping will result if more than 3 or 4 flowers are allowed to develop per plant. The early disbudding repeatedly contributes to more uniform responses, larger flowers and color intensification.
- 10. Cutting Plants are cut near soil level to enable the grower to more efficiently handle many stems just as though he was dealing with a large disbudded spray on a single stem base. The 18-days from plant to pinch permits 6" to 8" of base stem to develop before the lateral breaks commence to extend. Because the cut is made in the low, often woody portion of the stem, mashing the ends, or dipping in boiling water for 10 seconds after cutting, facilitates the up-take of water when the whole plant is handled as a unit. A suggestion after hardening in water would be to incase the plant in a cellophane bag for more attractive display, improved shelf-life, and serve as a transporting container.
- 11. Varieties The qualifications of varieties appropriately suited for "Bantamum" crops can generally be described as:
  - (a) Varieties with exceptional vigor and stretch.
  - (b) Varieties that break freely and produce the maximum number of quality flowers per plant,
  - (c) Varieties that respond sharply at 60° F. or less, and those that develop well under wider temperature variations.
  - (d) Durable varieties that will ship and possess better than average keeping qualities.

Because of the wide seasonal and light variation that is a part of the environment of the northern half of the United States, to date, the practical flowering season is from mid-March through mid-December. In the southern areas of the country, where total light is improved and seasons less fluctuating, twelve month "Bantamum" schedules are realistically practical. It is only a matter of time before Breeding and varietal selection will supply suitable mid-winter varieties for the northern "Bantamum" programs to complete a twelve month schedule.

### SUMMARY:

Careless handling or unfavorable environmental conditions, can and will seriously reflect their influences on the final product because of the short duration that the "Bantamum" crop schedule allows in the bench. This crop is intended for and can be mastered only by careful growers.

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BANTAMUMS PROGRAM (continued)	Type Variety		WEEK RESPONSE Oct. 15 D Amber Bright	St Mayford Litan	RESPONSE	D Stuart Ogg	Sp Duchess	St Fred Yule	RESPONSE St. Ind. Bronze	St Dk. Ind. Bronze	-pu	D Rectarine		S	P Bronze Jubilation	D Valentine	100	D Bronze Peter John	D Forever Amber	A Ked Empress		ESPONSE	Nov. 1 Sp Bunbu	RESPONSE		Laughter	Sp Plum			D Merriment	RESPONSE	P Pioneer	A Vedova	A Venoya	S	D Dk, Pk, Peter John	A Empress
	_		K RE	24	χ. Σ	25		- 1		. 40	5	5	22		55	35			25	-		X,	9-		2 40		25					51	Nov. 15	22		25	-
	Natura			Oct.	WEEK	0ct. 25	Nov.	Nov.	NO WEEK	No.	No.	, 0 2 2	Nov. 12	11 WEEK	Nov. 15	Nov. 20		Nov. 25	Nov. 25	Cec			No.	IO WEEK	Š	Š.	Š	S Z	No.	No.	1 WEEK	Nov. 15	Nov. 15	Nov. 22	2 WEEK	Nov. 25	Dec
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	Type Vo		Sp Queen's Lace	RESPONSE	Ind. White	Imp. Ind.	Snow Crystal	ceberg	Ensign	RESPONSE	John Baun	Ermine	Surfside	Nov. 25 D Wh. Peter John	Champ Champ	III, Glacie		PONSE	Celestra		PONSE		Gold Lace	14	Ind. Yellow			Yellow Icebera	_		Luxury	-	BONCE	D Illini Goldilocks	Shane	Nov. 25 D Yel, Peter John	
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	Natural		9 WEEK RESPONSE Nov. 1 Sp Queer	10 WEEK	No. 5	Nov.	Nov. 5	Nov.	Nov. 10	11 WEEK	Nov. 20	Nov. 20	Nov. Z.	Nov. 25	Nov. 28	Dec.		8 WEEK RESPONSE	0.4.	Oct. 15	9 WEEK	Oct. 25	Nov. 15	10 WEEK	200	Nov. 5	Nov. 5	No.X	Nov. 5	Nov. 5	Nov.	Nov.	11 WEEK	Nov. 15	Nov.	12 WEEK	



St - Standard A - Anemone m - medium growing varieties Sp - Spider P - Pompon s - short growing varieties D Decorative S - Single t - tall growing varieties

These are the people who present Yoder Mums to growers from coast to coast.



### YODER MUMS

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- ALEC HENDERSON, INC. 1305 W. Randolph Chicago 7, Illinois
- A. H. HUMMERT SEED Co. 2746-48 Chouteau Avenue St. Louis 3, Missouri
- NURSERYMEN'S EXCHANGE 475 Sixth Street San Francisco 3, Calif.
- Somerset Rose Nursery, Inc. P. O. Box 608 New Brunswick, N. J.
- McHutchison & Co. 695 Grand Avenue Ridgefield, N. J.
- WM. H. NIEMANN & CO. P. O. Box 85 - 55 Paramus Rd. Paramus, N. J.

